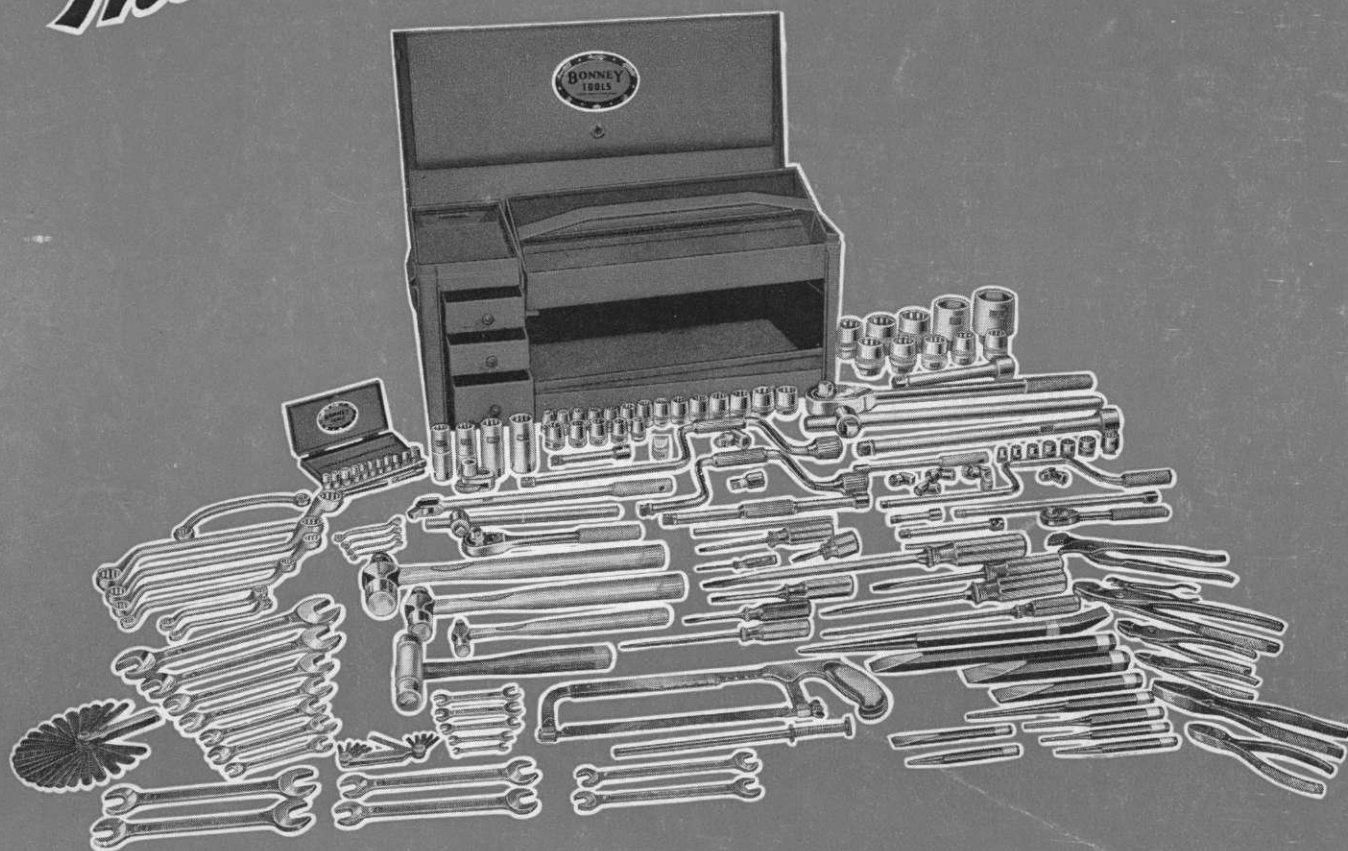


*"The Finest that Money Can Buy"*



**CATALOG No. 41**

**BONNEY FORGE & TOOL WORKS**  
ALLENTOWN, PA., U. S. A.



*The Finest that  
Money Can Buy*

## 65 YEARS OF FINE TOOL MANUFACTURE

**I**n this catalog you will find the most complete line of Bonney Tools ever presented for automotive, aviation and industrial work. It's the culmination of 65 years of constant research for new and better tools to do each job encountered better, easier and quicker than ever before.

### PIONEERS OF ALLOY STEEL WRENCHES AND TOOLS

Bonney pioneered alloy steel wrenches and tools. Bonney 'CV' *Chrome-Vanadium* Wrenches, since their introduction, have been regarded as the standard for quality and excellence in design and finish. They are sold with the guarantee "to strip the thread or break the bolt before damaging the wrench".

**ZENEL Steel**—developed by Bonney metallurgists and used only in Bonney Tools—is the toughest, hard wrench steel ever developed for hand tool manufacture. Any Bonney Wrench made of **ZENEL** is sold with an unconditional guarantee of satisfaction.

### TIME PAYMENTS

To help jobbers increase their tool sales and to help mechanics obtain the best in tools, Bonney has made arrangements with Commercial Credit Company so that Bonney Tools may be purchased on the Automotive Equipment Time Payment Plan.

### THE BONNEY GUARANTEE

All Bonney Tools are made from the finest obtainable steels to meet the normal conditions to which the tool will be subjected. Every Bonney Tool is individually and rigidly inspected before leaving the factory, and is guaranteed against defects in workmanship and/or materials. All tools that do not live up to this guarantee will be replaced or repaired free of charge.

No free replacement will be made if inspection shows that wrenches, sockets or handles have been hammered or used with any device for adding any extra leverage—handles or sockets have been ground thinner or changed in design—have been used on over or undersized nuts or where tools have been used for any purpose than that for which they have been designed.

No Bonney Tool will be replaced free of charge that shows normal wear and tear—damage from contact with hot wires—damage resulting from alterations or tampering—breakage from abuse or overload.

No Bonney Plier, Punch, Chisel or Screw Driver will be replaced or repaired free of charge that shows it has been used for other than its intended purpose, or that shows damage to the teeth or cutting edges resulting from use on hardened materials or tempered steel wire.

All Bonney Pliers *must* be returned to the factory in Allentown, Pa. with charges prepaid for examination before any adjustment will be made.

**BONNEY FORGE & TOOL WORKS**  
ALLENTOWN, PA.





*The Finest that  
Money Can Buy*

# INDEX

|                                  | PAGE               |                                | PAGE                   |                                 | PAGE       |
|----------------------------------|--------------------|--------------------------------|------------------------|---------------------------------|------------|
| Adaptors—Reducing, Increasing.   | 37                 | Flexible Body File Holder      | 96, 98                 | Shop Knife                      | 78         |
| Adjustable Pliers                | 91                 | Hack Saw Blades                | 78                     | Sockets:                        |            |
| Adjustable Wrenches              | 83                 | Hack Saw Frame                 | 78                     | for 1/4" Square Drive           | 7          |
| Angle Head Service Wrenches      | 66                 | Hammers                        |                        | " 3/8" " " "                    | 10         |
| Auto Wrenches                    | 83                 | Ball Pein                      | 92                     | " 1/2" " " "                    | 16         |
| Ball Pein Hammers                | 92                 | Body and Fender                | 94, 95                 | " 3/4" " " "                    | 42         |
| Battery Plier                    | 90                 | Soft Face                      | 93                     | " 1" " " "                      | 45         |
| Battery Wrench                   | 72                 | Tire and Rim                   | 92                     | Drag Link                       | 11, 36     |
| Bending Iron                     | 98                 | Upholsterers'                  | 94                     | Drain Plug                      | 37         |
| Body and Fender Hammers          | 94, 95             | Handles and Attachments:       |                        | Extra Deep                      | 10, 32     |
| Body and Fender Repair           |                    | for 1/4" Square Drive Sockets  | 7                      | for Ford Connecting             |            |
| Tools                            | 97, 98             | " 3/8" " " "                   | 11                     | Rods                            | 36, 70, 71 |
| Body and Fender Tool Sets        | 99, 100            | " 1/2" " " "                   | 17                     | for Spark Plugs                 | 10, 32     |
| Body Spoons                      | 98                 | " 3/4" " " "                   | 43                     | Socket Opening Chart            | 65         |
| Box Wrench Attachments for       |                    | " 1" " " "                     | 45                     | Socket and Tool Sets:           |            |
| Torque-Indicating Wrenches       | 39, 73             | Headlight Bulb Plier           | 90                     | 1/4" Square Drive               | 8, 9       |
| Box Wrenches                     | 46-50 inc.         | Holding Tools                  | 80                     | 3/8" " " "                      | 12-15 inc. |
| Box Wrench Sets                  | 51-53 inc.         | Ignition Files                 | 80                     | 1/2" " " "                      | 18-31 inc. |
| Brace Type Socket Wrenches       | 64                 | Ignition Plier                 | 55, 91                 | 3/4" " " "                      | 44         |
| Brake Spring Plier               | 75, 88             | Ignition Wrenches              | 55                     | 1" " " "                        | 45         |
| Brake Wrenches                   | 70, 71, 72, 76, 77 | Ignition Wrench Set            | 55                     | for Drain Plugs                 | 37         |
| Brake Wrenches for Fords         | 70, 71             | Knock-Off Wheel Pullers        | 74                     | for Spark Plugs                 | 32         |
| Brake Wrench Set                 | 75                 | Lining-up Punches              | 101, 103               | Socket Wrenches—Offset,         |            |
| Bumping Hammers                  | 94, 95             | Lock Ring Plier                | 90                     | "T" Handle, Brace               | 64         |
| Cape Chisels                     | 102                | Long Taper Punches             | 101                    | Soft Face Hammers               | 93         |
| Carburetor Wrenches              | 71, 72             | Magnetic Hammer—Upholsterers'  | 94                     | Solid Punches                   | 101        |
| Carburetor Wrench for Fords      | 71                 | Main Bearing Wrenches for      |                        | Spark Plug Socket Chart         | 32         |
| Center Punch                     | 101                | Chevrolet                      | 69                     | Spark Plug Sockets              | 10, 32     |
| Chart of Spark Plug Sockets      | 32                 | Main Bearing Wrenches for Ford | 70, 71                 | Spark Plug Socket Set           | 32         |
| Chart of Wrench and Socket       |                    | Manifold Wrenches              | 69, 72                 | Special Wrenches:               |            |
| Openings                         | 65                 | Miniature Wrenches             | 54                     | Miscellaneous                   | 72, 73     |
| Chisels                          | 102                | Miscellaneous Special          |                        | Special Wrenches for Chevrolets | 69         |
| Combination Pliers               | 88, 89, 90         | Wrenches                       | 72, 73                 | Special Wrenches for Fords      | 70, 71     |
| Connecting Rod Bearing           |                    | Offset Socket Wrenches         | 64                     | Spinner Wrenches                | 83         |
| Wrench for Fords                 | 70                 | Oil Drain Plug Wrench for Ford | 70                     | Starter Wrenches                | 69, 73     |
| Connecting Rod Sockets for Fords | 36, 70             | Oil Drain Plug Wrench for      |                        | Steering Worm Adjustment        |            |
| Construction Wrenches            | 66                 | Mercury                        | 70, 73                 | Wrench for Chevrolet            | 69         |
| Crowfoot Attachments             | 11, 36, 37         | Oil Pan Wrench for Ford        | 71                     | Stillson Wrenches               | 82         |
| Cutting Pliers                   | 88, 90             | Panel Spoons                   | 98                     | Stillson Wrench Set             | 82         |
| Cylinder Head Wrench for         |                    | Pliers                         | 55, 75, 77, 88-91 inc. | Structural Wrenches             | 66         |
| Chevrolet                        | 69                 | Pricking Hammer                | 95                     | Stud Wrench                     | 36         |
| Diamond Point Chisels            | 102                | Pry Bar                        | 101                    | "S" Wrenches                    | 67         |
| Dinging Hammers                  | 94, 95             | Punch and Chisel Sets          | 103                    | "T" Handle Socket Wrenches      | 64         |
| Dolly Blocks                     | 97                 | Punches—Pin, Solid, Prick      | 101                    | Tack Claw                       | 94         |
| Door Panel Spoon                 | 98                 | Right Angle Wrenches           | 63                     | Tappet Adjusting Screw Driver   | 86         |
| Drag Link Sockets                | 11, 36             | Rim Wrenches                   | 68                     | Tappet Wrenches                 | 57, 60, 61 |
| Drain Plug Sockets               | 37                 | Rivet Buster                   | 102                    | Tension Specifications for use  |            |
| Drain Plug Socket Sets           | 37                 | Roller Cabinets                | 33                     | with Torque Wrenches            | 39-41 inc. |
| Electrical Wrenches              | 54                 | Roller Cabinet Sets            | 34, 35                 | Tire and Rim Hammer             | 92         |
| Electrical Wrench Sets           | 54                 | Round Nose Chisels             | 102                    | Torque-Indicating Wrenches      | 38, 39     |
| Engineers'                       |                    | Screw Drivers                  | 84-87 inc.             | Tube Benders                    | 81         |
| Wrenches                         | 56, 58, 59, 67, 77 | Service Wrenches:              |                        | Tube Cutters                    | 81         |
| Extra Deep Sockets               | 10, 32             | Angle Head                     | 66                     | TuType Wrenches—Combination     |            |
| Flat Chisels                     | 102                | Single Head                    | 67                     | Box and Open End                | 62         |
| Feeler Gauges                    | 75, 79             | Set Screw Wrenches             | 67                     | Upholsterers' Magnetic Hammer   | 94         |
| Files                            | 80, 96             | Shock Absorber Wrench for Ford | 70                     | Water Pump Packing Nut Wrenches | 73         |
| File Handles                     | 80                 |                                |                        | Wheel Pullers—Knock-Off Type    | 74         |
| File Holders                     | 96, 98             |                                |                        |                                 |            |



*The Finest that  
Money Can Buy*

# NUMERICAL INDEX

| Tool No.   | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page |
|------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| 00A        | 85        | 1026     | 58        | 1240     | 73        | 1708A    | 67        | 1958     | 67        | 2526A    | 77        | 2808     | 46        |
| 001        | 85        | 1027     | 58        | 1241     | 73        | 1709     | 67        | 1960     | 67        | 2526B    | 77        | 2808B    | 46        |
| 003        | 84        | 1027A    | 58        | 1242     | 73        | 1721     | 58        | 1964     | 67        | 2537     | 77        | 2809     | 46        |
| 006        | 84        | 1027C    | 58        | 1244     | 73        | 1722     | 58        | 1966     | 67        | 2538     | 77        | 2809A    | 46        |
| 0010       | 84        | 1028     | 58        | 1246     | 73        | 1723     | 58        | 1970     | 67        | 2540     | 69        | 2809C    | 46        |
| 04         | 84        | 1028S    | 58        | 1248     | 73        | 1723A    | 58        | 2021     | 63        | 2553     | 68        | 2810     | 46        |
| 06         | 84        | 1029     | 58        | 1250     | 73        | 1725     | 58        | 2022     | 63        | 2561     | 76        | 2810A    | 46        |
| 08         | 84        | 1030     | 59        | 1252     | 73        | 1725A    | 58        | 2023     | 63        | 2566     | 76        | 2810B    | 46        |
| 012        | 84        | 1030D    | 59        | 1256     | 73        | 1725B    | 58        | 2024     | 63        | 2566A    | 76        | 2810C    | 46        |
| 056        | 39        | 1031     | 59        | 1258     | 73        | 1726     | 58        | 2025     | 63        | 2581     | 77        | 2811     | 46        |
| 0907       | 66        | 1032     | 59        | 1260     | 73        | 1727     | 58        | 2026     | 63        | 2582     | 77        | 2811A    | 46        |
| 0908       | 66        | 1033     | 59        | 1262     | 73        | 1728     | 58        | 2027     | 63        | 2586     | 71        | 2811B    | 46        |
| 0909       | 66        | 1033A    | 59        | 1264     | 73        | 1729     | 58        | 2027C    | 63        | 2587     | 70        | 2811E    | 46        |
| 0910       | 66        | 1033C    | 59        | 1264S    | 73        | 1730     | 58        | 2028     | 63        | 2588     | 71        | 2812     | 46        |
| 0911       | 66        | 1034     | 59        | 1266     | 73        | 1731     | 59        | 2028S    | 63        | 2589     | 77        | 2812A    | 46        |
| 0912       | 66        | 1034A    | 59        | 1268     | 73        | 1731A    | 59        | 2029     | 63        | 2591     | 36        | 2812B    | 46        |
| 0913       | 66        | 1034AL   | 77        | 1272     | 73        | 1731AL   | 77        | 2030     | 63        | 2592     | 69        | 2812C    | 46        |
| 0914       | 66        | 1035     | 59        | 1272S    | 73        | 1731B    | 59        | 2031     | 63        | 2597     | 69        | 2813     | 46        |
| 0915       | 66        | 1036     | 59        | 1276     | 73        | 1732     | 59        | 2032     | 63        | 2599     | 76        | 2815     | 46        |
| 2P3        | 87        | 1037     | 59        | 1401     | 66        | 1732A    | 59        | 2033     | 63        |          | 71        | 2815A    | 46        |
| 56         | 39        | 1037E    | 59        | 1401A    | 66        | 1733     | 59        | 2033A    | 63        | 2612     | 72        | 2819     | 46        |
| 66         | 38        | 1037F    | 59        | 1402     | 66        | 1734     | 59        | 2101     | 64        |          | 76        | 2821     | 46        |
| 199        | 78        | 1038     | 59        | 1402A    | 66        | 1735     | 59        | 2102     | 64        | 2613     | 39        | 2832     | 48        |
| Pkg. 5     |           | 1039     | 59        | 1403     | 66        | 1735L    | 77        | 2103     | 64        |          | 73        | 2834     | 48        |
| Ex. Blades | 78        | 1040     | 59        | 1403A    | 66        | 1736     | 59        | 2104     | 64        | 2614     | 39        | 2836     | 48        |
| 401        | 61        | 1041     | 59        | 1404     | 66        | 1737     | 59        | 2105     | 64        |          | 73        | 2839     | 48        |
| 401A       | 61        | 1070     | 67        | 1404A    | 66        | 1738     | 59        | 2105A    | 70        | 2615     | 39        | 2840     | 69        |
| 402        | 61        | 1071     | 67        | 1405     | 66        | 1739     | 59        | 2106     | 64        |          | 73        | 2857     | 70        |
| 402A       | 61        | 1072     | 67        | 1406     | 66        | 1739A    | 59        | 2107     | 64        | 2615A    | 39        |          | 76        |
| 403        | 61        | 1073     | 67        | 1501     | 66        | 1739B    | 59        | 2108     | 64        |          | 73        | D2857    | 70        |
| 403A       | 61        | 1160     | 62        | 1501A    | 66        | 1808     | 50        | 2109     | 64        | 2616     | 39        |          | 76        |
| 404        | 61        | 1161     | 62        | 1502     | 66        | 1808A    | 50        | 2110     | 64        |          | 73        | 2862     | 77        |
| 404A       | 61        | 1162     | 62        | 1502A    | 66        | 1809     | 50        | 2201     | 64        | 2618     | 72        | 2866     | 36        |
| 405        | 61        | 1163     | 62        | 1503     | 66        | 1809A    | 50        | 2202     | 64        |          | 76        | 2868     | 36        |
| 406        | 61        | 1164     | 62        | 1503A    | 66        | 1810     | 50        | 2203     | 64        |          | 70        | 2870     | 36        |
| 406A       | 61        | 1165     | 62        | 1504     | 66        | 1810A    | 50        | 2204     | 64        | 2626     | 73        | 2872     | 36        |
| 407        | 61        | 1166     | 62        | 1505     | 66        | 1811     | 50        | 2205     | 64        | 2628     | 78        | 2874     | 36        |
| 407A       | 61        | 1167     | 62        | 1506     | 66        | 1812     | 50        | 2206     | 64        | 2629     | 72        | 2875     | 72        |
| 408        | 61        | 1167A    | 62        | 1506A    | 66        | 1813     | 50        | 2207     | 64        |          | 77        | 2881     | 69        |
| 408A       | 61        | 1168     | 62        | 1507     | 66        | 1814     | 50        | 2208     | 64        | 2680     | 75        |          | 72        |
| 409        | 61        | 1170     | 62        | 1507A    | 66        | 1820     | 50        | 2209     | 64        |          | 88        | 2882     | 70        |
| 420        | 60        | 1171     | 62        | 1508     | 66        | 1821     | 50        | 2210     | 64        | 2721     | 63        | 2883     | 72        |
| 420A       | 60        | 1172     | 62        | 1508A    | 66        | 1822     | 50        | 2270A    | 64        | 2722     | 63        | 2884     | 69        |
| 422        | 60        | 1173     | 62        | 1509     | 66        | 1823     | 50        | 2270D    | 64        | 2723     | 63        | 2885     | 47        |
| 424        | 60        | 1174     | 62        | 1509A    | 66        | 1824     | 50        | 2270S    | 64        | 2723A    | 63        | 2886     | 47        |
| 424A       | 60        | 1176     | 62        | 1523     | 67        | 1825     | 50        | 2271A    | 64        | 2724     | 63        | 2887     | 47        |
| 424B       | 60        | 1203     | 66        | 1524     | 67        | 1826     | 50        | 2271D    | 64        | 2725     | 63        | 2888     | 47        |
| 425        | 60        | 1203A    | 66        | 1525     | 67        | 1827     | 50        | 2273A    | 64        | 2725A    | 63        | 2890     | 47        |
| 425A       | 60        | 1205     | 66        | 1526     | 67        | 1903     | 66        | 2274D    | 64        | 2725B    | 63        | 2890B    | 47        |
| 426        | 60        | 1205A    | 66        | 1527     | 67        | 1903A    | 66        | 2275A    | 64        | 2726     | 63        | 2890C    | 47        |
| 426A       | 60        | 1206B    | 66        | 1528     | 67        | 1905     | 66        | 2275D    | 64        | 2727     | 63        | 2891     | 47        |
| 428        | 60        | 1207     | 66        | 1529     | 67        | 1905A    | 66        | 2276A    | 64        | 2728     | 63        | 2891A    | 47        |
| 1000       | 67        | 1207A    | 66        | 1530     | 67        | 1906     | 66        | 2277A    | 64        | 2729     | 63        | 2891C    | 47        |
| 1000A      | 67        | 1208     | 66        | 1531     | 67        | 1907     | 66        | 2401     | 64        | 2730     | 63        | 2892     | 47        |
| 1001       | 67        | 1208A    | 66        | 1532     | 67        | 1907A    | 66        | 2402     | 64        | 2731     | 63        | 2892B    | 47        |
| 1002       | 67        | 1209     | 66        | 1533     | 67        | 1908     | 66        | 2403     | 64        | 2731A    | 63        | 2893     | 47        |
| 1003       | 67        | 1209A    | 66        | 1534     | 67        | 1908A    | 66        | 2404     | 64        | 2731B    | 63        | 2893A    | 47        |
| 1004       | 67        | 1210     | 66        | 1535     | 67        | 1909     | 66        | 2405     | 64        | 2732     | 63        | 2893B    | 47        |
| 1005       | 67        | 1211     | 66        | 1536     | 67        | 1910     | 66        | 2406     | 64        | 2732A    | 63        | 2894     | 47        |
| 1006       | 67        | 1212     | 66        | 1537     | 67        | 1911     | 66        | 2407     | 64        | 2804     | 46        | 2894A    | 47        |
| 1007       | 67        | 1224     | 73        | 1538     | 67        | 1912     | 66        | 2408     | 64        | 2804B    | 46        | 2894B    | 47        |
| 1008       | 67        | 1224A    | 73        | 1539     | 67        | 1932     | 67        | 2409     | 64        | 2804C    | 46        | 2895     | 47        |
| 1009       | 67        | 1226     | 73        | 1540     | 67        | 1934     | 67        | 2410     | 64        | 2804L    | 46        | 2895A    | 47        |
| 1010       | 67        | 1228     | 73        | 1541     | 67        | 1936     | 67        | 2416     | 71        | 2805     | 46        | 2895B    | 47        |
| 1011       | 67        | 1230     | 73        | 1700     | 67        | 1940     | 67        | 2420     | 68        | 2805A    | 46        | 2895C    | 47        |
| 1012       | 67        | 1232     | 73        | 1701     | 67        | 1944     | 67        | 2422     | 68        | 2805B    | 46        | 2896     | 47        |
| 1020       | 58        | 1232A    | 73        | 1702     | 67        | 1946     | 67        | 2424     | 68        | 2805L    | 46        | 2897     | 47        |
| 1021       | 58        | 1234     | 73        | 1703     | 67        | 1948     | 67        | 2426     | 68        | 2806     | 46        | 3020     | 56        |
| 1022       | 58        | 1236     | 73        | 1704     | 67        |          | 67        | 2428     | 68        | 2806A    | 46        | 3021     | 56        |
| 1023       | 58        | 1236S    | 73        | 1705     | 67        | 1950     | 69        | 2503     | 64        | 2806L    | 46        | 3023     | 56        |
| 1024       | 58        | 1236X    | 73        | 1706     | 67        | 1952     | 67        | 2505     | 64        | 2807     | 46        | 3025     | 56        |
| 1025       | 58        | 1238     | 73        | 1707     | 67        | 1956     | 67        | 2526     | 77        | 2807A    | 46        | 3027     | 56        |





# NUMERICAL INDEX

*The Finest that  
Money Can Buy*

| Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No.   | Cat. Page | Tool No.   | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page |
|----------|-----------|----------|-----------|------------|-----------|------------|-----------|----------|-----------|----------|-----------|----------|-----------|
| 3027C    | 56        | 4114     | 16        | 8386       | 103       | Jaw for    | 83        | D31      | 16        | F36H     | 96        | K18      | 83        |
| 3028S    | 56        | 4116     | 16        | A14        | 16        | BW8        | 83        | D32      | 16        | F37      | 96        | K19      | 83        |
| 3029     | 56        | 4118     | 16        | A16        | 16        | Knurl for  | 83        | D34      | 16        | F37B     | 96        | K20      | 83        |
| 3031     | 56        | 4120     | 16        | A18        | 16        | BW8        | 83        | D36      | 16        | F37H     | 96        | K21      | 83        |
| 3033     | 56        | 4122     | 16        | A19        | 16        | Pin for    | 83        | D38      | 16        | F38      | 96        | K22      | 83        |
| 3033A    | 56        | 4124     | 16        | A20        | 16        | BW8        | 83        | D40      | 16        | F38B     | 96        | K24      | 83        |
| 3033C    | 56        | 4128     | 16        | A22        | 16        | Spring for | 83        | D2857    | 70        | F38H     | 96        | K25      | 83        |
| 3034     | 56        | 4132     | 16        | A24        | 16        | BW8        | 83        |          | 76        | F40 Set  | 96        | K26      | 83        |
| 3034A    | 56        | 4201     | 37        | A25        | 16        | BW10       | 83        | E2       | 55        | F1018    | 78        | K27      | 83        |
| 3035     | 56        | 4202     | 37        | A26        | 16        | Jaw for    | 83        | E3       | 55        | F1024    | 78        | K28      | 83        |
| 3037     | 56        | 4203     | 37        | A28        | 16        | BW10       | 83        | E4       | 55        | F1032    | 78        | K29      | 83        |
| 3118A    | 72        | 4204     | 37        | A30        | 16        | Knurl for  | 83        | E5       | 55        | F1218    | 78        | K50      | 75        |
| 3420     | 57        | 4206     | 37        | A31        | 16        | BW10       | 83        | E6       | 55        | F1224    | 78        |          | 79        |
| 3420A    | 57        | 4207     | 37        | A32        | 16        | Pin for    | 83        | E7       | 55        | F1232    | 78        | K51      | 79        |
| 3422     | 57        | 4208     | 37        | B5         | 88        | BW10       | 83        | E8       | 55        | H10      | 54        | K52      | 79        |
| 3424     | 57        | 4209     | 37        | B6         | 88        | Spring for | 83        | E9       | 55        | H12      | 54        | K53      | 79        |
| 3424A    | 57        | 4210     | 37        | B8         | 88        | BW10       | 83        | E10      | 55        | H14      | 54        | K54      | 79        |
| 3424B    | 57        | 4211     | 37        | B10        | 88        | BW12       | 83        | E11      | 55        | H15      | 54        | K55      | 79        |
| 3425     | 57        | 4212     | 37        | B11        | 89        | Jaw for    | 83        | E14      | 54        | H16      | 54        | K56      | 79        |
| 3426     | 57        | 4213     | 37        | B12        | 89        | BW12       | 83        | E16      | 54        | H18      | 54        | KF       | 80        |
| 3428     | 57        | 4215     | 37        | B15        | 88        | Knurl for  | 83        | E18      | 54        | HD28     | 42        | KL0015   | 79        |
| 3721     | 56        | 4228     | 42        | B17        | 89        | BW12       | 83        | E20      | 54        | HD30     | 42        | KL002    | 79        |
| 3723     | 56        | 4230     | 42        | B18        | 89        | Pin for    | 83        | E22      | 54        | HD31     | 42        | KL004    | 79        |
| 3723A    | 56        | 4231     | 42        | B21        | 90        | BW12       | 83        | E24      | 54        | HD32     | 42        | KL005    | 79        |
| 3725     | 56        | 4232     | 42        | B22        | 89        | Spring for | 83        | E26      | 54        | HD34     | 42        | KL006    | 79        |
| 3725B    | 56        | 4234     | 42        | B23        | 89        | BW12       | 83        | E28      | 54        | HD36     | 42        | KL007    | 79        |
| 3727     | 56        | 4236     | 42        | B24        | 90        | C1         | 102       | E30      | 54        | HD38     | 42        | KL008    | 79        |
| 3729     | 56        | 4238     | 42        | B25        | 90        | C2         | 102       | E40      | 48        | HD40     | 42        | KL010    | 79        |
| 3731     | 56        | 4240     | 42        | B307       | 90        | C3         | 102       | E42      | 48        | HD42     | 42        | KL012    | 79        |
| 3731A    | 56        | 4242     | 42        | B407       | 91        | C4         | 102       | E44      | 48        | HD44     | 42        | KL013    | 79        |
| 3733     | 56        | 4244     | 42        | B410       | 91        | C5         | 102       | E46      | 48        | HD46     | 42        | KL015    | 79        |
| 3735     | 56        | 4246     | 42        | B420       | 91        | C6         | 102       | E02      | 85        | HD48     | 42        | KL018    | 79        |
| 3737     | 56        | 4248     | 42        | B424       | 55        | C7         | 102       | E03      | 85        | HD50     | 42        | KL024    | 79        |
| 4001     | 36        | 4252     | 42        |            | 91        | C10        | 102       | E03 Tube | 85        | HD52     | 42        | KL025    | 79        |
| 4002     | 36        | 4254     | 42        | B437       | 90        | C12        | 102       | F2       | 97        | HD54     | 42        | KL032    | 79        |
| 4012     | 16        | 4256     | 42        | B537       | 90        | C13        | 102       | F3       | 97        | HD56     | 42        | KL035    | 79        |
| 4014     | 16        | 4258     | 42        | BA52       | 49        | C15        | 102       | F4       | 97        | HD60     | 42        | KL040    | 79        |
| 4016     | 16        | 4260     | 42        | BA56       | 49        | C16        | 102       | F5       | 97        | HD64     | 42        | L401A    | 60        |
| 4018     | 16        | 4264     | 42        | BA58       | 49        | C18        | 102       | F6       | 97        | HS1018   | 78        | L402     | 60        |
| 4019     | 16        | 4266     | 42        | BA60       | 49        | C19        | 102       | F7       | 97        | HS1024   | 78        | L403     | 60        |
| 4020     | 16        | 4268     | 42        | BA64       | 49        | C21        | 101       | F8       | 97        | HS1032   | 78        | L404     | 60        |
| 4021     | 16        | 4270     | 42        | BA70       | 49        | C22        | 101       | F9       | 97        | HS1218   | 78        | LD16     | 32        |
|          | 71        | 4272     | 42        | BA72       | 49        | C23        | 101       | F10      | 97        | HS1224   | 78        | LD18     | 32        |
| 4022     | 16        | 4284     | 43        | BH32       | 49        | C25        | 101       | F12      | 97        | HS1232   | 78        | LD20     | 32        |
| 4024     | 16        | 4285     | 43        | B052       | 49        | C26        | 101       | F13      | 98        | K0015    | 79        | LD22     | 32        |
| 4025     | 16        | 4287     | 43        | B054       | 49        | C28        | 101       | F14      | 98        | K002     | 79        | LD24     | 32        |
| 4026     | 16        | 4288     | 43        | B056       | 49        | C29        | 101       | F15      | 98        | K004     | 79        | LD25     | 32        |
| 4028     | 16        | 4289     | 43        | B058       | 49        | C30        | 101       | F16      | 98        | K005     | 79        | LD26T    | 32        |
| 4030     | 16        | 4290     | 43        | B060       | 49        | C32        | 101       | F17      | 98        | K006     | 79        | LD28     | 32        |
| 4031     | 16        | 4290A    | 43        | B064       | 49        | C34        | 101       | F18      | 36        | K007     | 79        | LD28T    | 32        |
| 4032     | 16        | 4291     | 43        | B070       | 49        | C36        | 102       |          | 70        | K008     | 79        | LD30     | 32        |
| 4081     | 17        | 4295     | 43        | B072       | 49        | C38        | 101       | F19      | 98        | K010     | 79        | LD32     | 32        |
| 4082     | 17        | 4296     | 37        | BW4        | 83        | C39        | 101       | F20      | 98        | K012     | 79        | LD32T    | 32        |
| 4084     | 17        | 4297     | 37        | Jaw for    |           | CP1        | 87        | F24      | 96        | K013     | 79        | LD34     | 32        |
| 4085     | 17        | 4298     | 37        | BW4        | 83        | CP2        | 87        | F25      | 96        | K015     | 79        | LD36     | 32        |
| 4086     | 17        | 4299     | 37        | Knurl for  |           | CP3        | 87        | F25X     | 96        | K016     | 79        | LT14     | 10        |
| 4087     | 17        | 4564     | 76        | BW4        | 83        | CP4        | 87        | F26 Set  | 96        | K018     | 79        | LT16     | 10        |
| 4087A    | 17        | 4568     | 73        | Pin for    |           | D12        | 16        | F31      | 98        | K024     | 79        | LT18     | 10        |
| 4090     | 17        | 6603     | 37        | BW4        | 83        | D14        | 16        | F32      | 96        | K025     | 79        | LT20     | 10        |
| 4090B    | 17        | 6603A    | 37        | Spring for |           | D16        | 16        | F32B     | 96        | K032     | 79        | LT22     | 10        |
| 4091     | 17        | 6603B    | 37        | BW4        | 83        | D17        | 16        | F32H     | 96        | K035     | 79        | LT24     | 10        |
| 4091A    | 17        | 6603C    | 37        | BW6        | 83        | D18        | 16        | F33      | 96        | K040     | 79        | LT26     | 10        |
| 4019E    | 17        | 6603D    | 37        | Jaw for    |           | D19        | 16        | F33B     | 96        | K4       | 80        | LT28     | 10        |
| 4092     | 17        | 6606     | 37        | BW6        | 83        | D20        | 16        | F33H     | 96        | K6       | 80        | P10      | 37        |
| 4093     | 17        | 6606A    | 37        | Knurl for  |           | D21        | 16        | F34      | 96        | K8       | 80        | P12      | 37        |
| 4094     | 17        | 6606B    | 37        | BW6        | 83        | D22        | 16        | F34B     | 96        | K10      | 83        | P14      | 37        |
| 4095     | 17        | 7940     | 68        | Pin for    |           | D24        | 16        | F34H     | 96        | K11      | 83        | P16      | 37        |
| 4096     | 17        | 7941     | 68        | BW6        | 83        | D25        | 16        | F35      | 96        | K12      | 83        | P18      | 37        |
| 4096A    | 17        | 7942     | 68        | Spring for |           | D26        | 16        | F35B     | 96        | K13      | 83        | P20      | 37        |
| 4098     | 17        | 7944     | 68        | BW6        | 83        | D28        | 16        | F35H     | 96        | K14      | 83        | P22      | 37        |
| 4098A    | 17        | 7944A    | 68        | BW8        | 83        | D30        | 16        | F36      | 96        | K15      | 83        | P24      | 37        |
| 4112     | 16        | 8385     | 103       |            |           |            |           | F36B     | 96        | K17      | 83        | PH1      | 92        |



*The Finest that  
Money Can Buy*

# NUMERICAL INDEX

| Tool No.          | Cat. Page | Tool No. | Cat. Page | Tool No. | Cat. Page | Tool No.           | Cat. Page | Tool No.           | Cat. Page | Tool Set No. | Cat. Page | Box No. | Cat. Page |
|-------------------|-----------|----------|-----------|----------|-----------|--------------------|-----------|--------------------|-----------|--------------|-----------|---------|-----------|
| PH2               | 92        | RF59     | 81        | TU14     | 10        | Z2830              | 48        | LEAD FLOAT OR WOOD |           | BB1          | 26        | C       | 33        |
| PH5               | 92        | RF60     | 81        | TU16     | 10        | STILLSON WRENCHES  |           |                    |           | BB1 on C     | 34        | CC      | 33        |
| PH6               | 92        | RF61     | 81        | TU18     | 10        |                    |           | 12"                | 80        | C45CB        | 103       | D       | 18        |
| PH7               | 92        | RF62     | 81        | TU20     | 10        | 6"                 | 82        | 14"                | 80        | C45LR        | 103       | D2      | 19        |
| PH9               | 92        | RF63     | 81        | V6       | 7         | 8"                 | 82        | EXTRA-SLIM TAPER   |           | C46CB        | 103       | D3      | 19        |
| PH10              | 92        | RF64     | 81        | V7       | 7         | 10"                | 82        |                    |           | C46LR        | 103       | FB3     | 99        |
| PH13              | 92        | RF65     | 81        | V8       | 7         | 14"                | 82        |                    |           | C47CB        | 103       | FB4     | 99        |
| PH15              | 93        | RF70     | 81        | V9       | 7         | 18"                | 82        |                    |           | C47LR        | 103       | FB5     | 100       |
| Ex. Tip           |           | S4228    | 42        | V10      | 7         | 24"                | 82        | 5"                 | 80        | CP           | 87        | H       | 44        |
| for PH15          | 93        | S4232    | 42        | V11      | 7         | 36"                | 82        | 6"                 | 80        | D            | 18        | HD      | 44        |
| PH17              | 93        | S4234    | 42        | V12      | 7         | 48"                | 82        | 8"                 | 80        | D2CB         | 19        | HD1     | 44        |
| Ex. Tip           |           | S4240    | 42        | V14      | 7         | AUTO WRENCHES      |           |                    |           | D2MB         | 19        | J1      | 24        |
| for PH17          | 93        | S4246    | 42        | V17      | 7         |                    |           | IGNITION POINT     |           | D3           | 19        | K       | 37        |
| PH18              | 93        | S01      | 85        | V18      | 7         | 9"                 | 83        |                    |           | F26          | 96        | MC1     | 27        |
| Ex. Tip           |           | S02      | 85        | V19      | 7         | 11"                | 83        | 5 3/8"             | 80        | F40          | 96        | RD1     | 23        |
| for PH18          | 93        | S04      | 84        | V20      | 7         | WHEEL PULLERS      |           |                    |           | FB3          | 99        | RH      | 21        |
| PH19              | 92        | S06      | 84        | V22      | 7         |                    |           | FILE HANDLES       |           | FB4          | 99        | RS1     | 23        |
| PH20              | 93        | S08      | 84        | V25      | 7         | 5/8-18             | 74        | Small              | 80        | FB5          | 100       | TD4     | 13        |
| Ex. Tip           |           | S012     | 84        | V26      | 7         | 3/4-16             | 74        | Medium             | 80        | G            | 18        | TD5     | 14        |
| for PH20          | 93        | SP1      | 87        | V27      | 7         | 3/4-20             | 74        | Large              | 80        | H            | 44        | JD6     | 15        |
| PH21              | 93        | SP2      | 87        | VS10     | 7         | 13/16-16           | 74        | TOOL SETS          |           | HD           | 44        | TD10    | 12        |
| Ex. Tip           |           | T2       | 11        | VS12     | 7         | 7/8-14             | 74        |                    |           | HD1          | 44        | TD11    | 13        |
| for PH21          | 93        | T3       | 11        | W8       | 86        | 7/8-18             | 74        |                    |           | J1           | 24        | TD12    | 12        |
| PH22              | 94        | T4       | 11        | W8-1     | 86        | 1-14               | 74        | 15CB               | 54        | K            | 37        | V50     | 8         |
| PH23              | 94        | T5       | 11        | W8-2     | 86        | 11/8-12            | 74        | 15LR               | 54        | LD1          | 32        | V51     | 8         |
| PH24              | 94        | T6       | 11        | W8-3     | 86        | 1 1/4-12           | 74        | 16CB               | 54        | MC1          | 27        | V52     | 8         |
| PH25              | 94        | T7       | 11        | W8-4     | 86        | FILES MILL BASTARD |           | 16LR               | 54        | MC1 on C     | 34        | V55     | 9         |
| PH26              | 94        | T8       | 11        | W8-5     | 86        | 6"                 | 80        | 18CB               | 55        | RD1          | 23        | WD      | 22        |
| PH27              | 94        | T9       | 11        | W8-6     | 86        | 8"                 | 80        | 18LR               | 55        | RF66         | 81        | WS      | 22        |
| PH28              | 94        | T10      | 10        | W03      | 86        | 10"                | 80        | 20CB               | 54        | RH           | 21        | Z33     | 53        |
| PH29              | 95        | T12      | 10        | W04      | 86        | 12"                | 80        | 20LR               | 54        | RS1          | 23        | Z34     | 52        |
| PH30              | 95        | T14      | 10        | W06      | 86        | 14"                | 80        | 21CB               | 52        | TD4          | 13        |         |           |
| PH31              | 95        | T16      | 10        | W08      | 86        | FLAT BASTARD       |           | 21LR               | 52        | TD5          | 14        |         |           |
| PH32              | 95        | T18      | 10        | W010     | 86        | 6"                 | 80        | 22CB               | 60        | TD6          | 15        |         |           |
| PH33              | 95        | T19      | 10        | W015     | 86        | 8"                 | 80        | 22LR               | 60        | TD10         | 12        |         |           |
| PH34              | 95        | T20      | 10        | WP1      | 87        | 10"                | 80        | 25CB               | 59        | TD11         | 13        |         |           |
| PH40              | 93        | T22      | 10        | WP2      | 87        | 12"                | 80        | 25LR               | 59        | TD12         | 12        |         |           |
| Ex. Tip           |           | T24      | 10        | WP3      | 87        | 14"                | 80        | 29CB               | 51        |              |           |         |           |
| for PH40          | 93        | T26      | 10        | WP4      | 87        | SQUARE BASTARD     |           | 29LR               | 51        |              |           |         |           |
| PH41              | 93        | T27      | 11        | X29      | 45        | 6"                 | 80        | 36CB               | 51        |              |           |         |           |
| Ex. Tip           |           | T28      | 11        | X30      | 45        | 8"                 | 80        | 36LR               | 51        |              |           |         |           |
| for PH41          | 93        | T29A     | 11        | X31      | 45        | 10"                | 80        | 39CB               | 51        |              |           |         |           |
| cross or straight |           | T30      | 11        | X32      | 45        | 12"                | 80        | 40CB               | 63        |              |           |         |           |
| pein              |           | T31      | 11        | X33      | 45        | 14"                | 80        | 40LR               | 63        |              |           |         |           |
| PH42              | 93        | T32      | 11        | X46      | 45        | ROUND BASTARD      |           | 42CB               | 62        |              |           |         |           |
| Reg. Tip          |           | T33      | 11        | X48      | 45        | 6"                 | 80        | 42LR               | 62        |              |           |         |           |
| for PH42          | 93        | T35      | 11        | X52      | 45        | 8"                 | 80        | 49CB               | 62        |              |           |         |           |
| Ball Pein         |           | T36      | 11        | X58      | 45        | 10"                | 80        | 49LR               | 62        |              |           |         |           |
| Tip for           |           | T42      | 11        | X60      | 45        | 12"                | 80        | 51CB               | 75        |              |           |         |           |
| PH42              | 93        | T128     | 10        | X64      | 45        | 14"                | 80        | 51LR               | 75        |              |           |         |           |
| PH43              | 93        | T140     | 10        | X70      | 45        | HALF-ROUND BASTARD |           | 412CB              | 61        |              |           |         |           |
| Offset            |           | T160     | 10        | X74      | 45        | 6"                 | 80        | 412LR              | 61        |              |           |         |           |
| Pein or Sq.       |           | T180     | 10        | X76      | 45        | 8"                 | 80        | A1CB               | 20        |              |           |         |           |
| Tip for           |           | T200     | 10        | X78      | 45        | 10"                | 80        | A2CB               | 20        |              |           |         |           |
| PH43              | 93        | T220     | 10        | X80      | 45        | 12"                | 80        | A2MB               | 20        |              |           |         |           |
| Brass Insert      |           | T240     | 10        | X84      | 45        | 14"                | 80        | A3MB               | 20        |              |           |         |           |
| for PH44          | 93        | T260     | 10        | X86      | 45        |                    |           | AA2                | 31        |              |           |         |           |
| Reg. Tip          |           | T280     | 10        | X88      | 45        |                    |           | AA2 on             | 35        |              |           |         |           |
| for PH44          | 93        | TH10     | 10        | X94      | 45        |                    |           | CC                 | 28        |              |           |         |           |
| Brass Insert      |           | TH12     | 10        | X100     | 45        |                    |           | AB                 | 29        |              |           |         |           |
| only for          |           | TH14     | 10        | Z2814    | 48        |                    |           | AB on CC           | 35        |              |           |         |           |
| PH44              | 93        | TH16     | 10        | Z2816    | 48        |                    |           | B1                 | 25        |              |           |         |           |
| Tip & Brass       |           | TH18     | 10        | Z2818    | 48        |                    |           |                    |           |              |           |         |           |
| Insert for        |           | TH20     | 10        | Z2820    | 48        |                    |           |                    |           |              |           |         |           |
| PH44              | 93        | TH22     | 10        | Z2822    | 48        |                    |           |                    |           |              |           |         |           |
|                   |           | TH24     | 10        | Z2824    | 48        |                    |           |                    |           |              |           |         |           |
|                   |           | TS14     | 10        | Z2826    | 48        |                    |           |                    |           |              |           |         |           |
|                   |           | TS16     | 10        | Z2828    | 48        |                    |           |                    |           |              |           |         |           |
|                   |           | TS18     | 10        |          |           |                    |           |                    |           |              |           |         |           |
|                   |           | TS20     | 10        |          |           |                    |           |                    |           |              |           |         |           |





# 'CV' Chrome-Vanadium EXTRA-SMALL SOCKET SERIES

*The Finest that  
Money Can Buy*

Chromium Plated  
1/4 inch Square Drive



V6



V10



VS8



V27



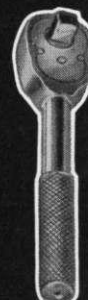
V20



V18



V22



V25



V7



V11



VS10



V26



V19



V8



V12



VS12



V9



V14



V17

## Extra-Small Series Sockets

| No. | Opening              | No.  | Opening             |
|-----|----------------------|------|---------------------|
| V6  | 3/16" Hexagon        | V12  | 3/8" Double Hexagon |
| V7  | 7/32" "              | V14  | 7/16" " "           |
| V8  | 1/4" "               | VS8  | 1/4" Double Square  |
| V9  | 9/32" "              | VS10 | 5/16" " "           |
| V10 | 5/16" Double Hexagon | VS12 | 3/8" " "            |
| V11 | 11/32" " "           |      |                     |

## Extra-Small Series Handles and Attachments

| No. | Opening                            | No. | Opening  |
|-----|------------------------------------|-----|--|
| V17 | Sliding "T" Handle,<br>4 1/2" long | V22 | Screw Driver Handle, non-conductor<br>type, 6" overall |
| V18 | Extension, 6" long                 | V25 | Reversible Ratchet, 4 1/2" long                        |
| V19 | Extension, 2" long                 | V26 | Hinge Handle, 5 3/4" long                              |
| V20 | Extension, Flexible,<br>4" long    | V27 | Cross Handle, 3 1/2" long<br>for V26                   |

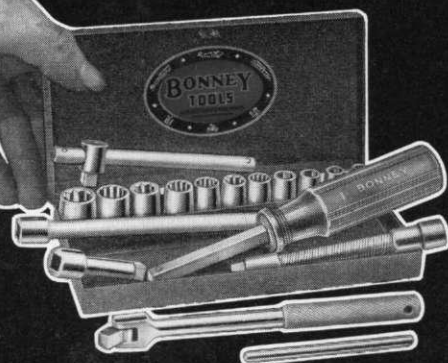


## EXTRA-SMALL SERIES SOCKET SETS

*The Finest that  
Money Can Buy*



No. V50 Set



No. V51 Set



No. V52 Set

### No. V50 Set

1/4 Inch Square Drive  
14 Pieces

A dandy pocket size kit of sockets and attachments for turning small nuts. All pieces are made of Bonney 'CV' Chrome-Vanadium Steel, fully chrome plated. Packed complete in strong, attractively finished metal box measuring 6 1/4" x 3" x 1". Contents are listed in the table below.

| No. | Description                 | No.  | Description                     |
|-----|-----------------------------|------|---------------------------------|
| V6  | 3/16" Hexagon Socket        | V14  | 7/16" Double Hexagon Socket     |
| V7  | 7/32" " "                   | VS8  | 1/4" Double Square Socket       |
| V8  | 1/4" " "                    | VS10 | 5/16" " "                       |
| V9  | 9/32" " "                   | VS12 | 3/8" " "                        |
| V10 | 5/16" Double Hexagon Socket | V18  | Extension, 6" long              |
| V11 | 11/32" " "                  | V19  | Extension, 2" long              |
| V12 | 3/8" " "                    | V17  | Sliding "T" Handle, 4 1/2" long |

Net Weight 1 lb. 5 oz.

### No. V51 Set

1/4 Inch Square Drive  
18 Pieces

A complete set of extra-small sockets and attachments that will be found exceptionally useful for making adjustments to distributors, carburetors, generators and in fact, wherever adjustments must be made to small nuts.

All sockets and handles with the exception of No. V22 are made of Bonney 'CV' Chrome-Vanadium Steel, fully chrome plated.

All pieces are packed in a strong, pocket size metal box measuring 6 1/4" x 3" x 1" and are fully guaranteed. Contents include one each of the following:

| No.  | Description                 | No.  | Description                                      |
|------|-----------------------------|------|--|
| V6   | 3/16" Hexagon Socket        | VS12 | 3/8" Double Square Socket                        |
| V7   | 7/32" " "                   | V17  | Sliding "T" Handle, 4 1/2" long                  |
| V8   | 1/4" " "                    | V18  | Extension, 6" long                               |
| V9   | 9/32" " "                   | V19  | Extension, 2" long                               |
| V10  | 5/16" Double Hexagon Socket | V20  | Flexible Extension, 4" long                      |
| V11  | 11/32" " "                  | V22  | Screw Driver Handle, non-conductor type, 6" long |
| V12  | 3/8" " "                    | V26  | Hinge Handle, 5 3/4" long                        |
| V14  | 7/16" " "                   | V27  | Cross Handle, 3 1/2" long for V26                |
| VS8  | 1/4" Double Square Socket   |      |  |
| VS10 | 5/16" " "                   |      |  |

Net Weight 1 3/4 lbs.

### No. V52 Set

1/4 Inch Square Drive  
24 Pieces

An unusually complete set of extra-small sockets and attachments, plus an assortment of miniature open end wrenches and a pocket size screw driver that any mechanic will find useful for electrical, radio, ignition work, etc.

Packed in a substantial, attractively finished metal box measuring 6 1/4" x 4" x 1 3/16". Included in the set are one each of the following:

| No.  | Description                     | No. | Description   |
|------|---------------------------------|-----|---|
| V6   | 3/16" Hexagon Socket            | V20 | Flexible Extension, 4" long                         |
| V7   | 7/32" " "                       | V22 | Screw Driver Handle, non-conductor type, 6" overall |
| V8   | 1/4" " "                        | V26 | Hinge Handle, 5 3/4" long                           |
| V9   | 9/32" " "                       | V27 | Cross Handle, 3 1/2" long for V26                   |
| V10  | 5/16" Double Hexagon Socket     |     | ZENEL MINIATURE                                     |
| V11  | 11/32" " "                      |     | OPEN END WRENCHES                                   |
| V12  | 3/8" " "                        | H10 | 3/16" & 7/32" openings                              |
| V14  | 7/16" " "                       | H12 | 1/4" & 9/32" " "                                    |
| VS8  | 1/4" Double Square Socket       | H14 | 5/16" & 11/32" " "                                  |
| VS10 | 5/16" " "                       | H16 | 3/8" & 7/16" " "                                    |
| VS12 | " " " "                         | H18 | 13/32" & 15/32" " "                                 |
| V17  | Sliding "T" Handle, 4 1/2" long | 001 | Pocket Size Screw Driver, non-conductor type        |
| V18  | Extension, 6" long              |     |   |
| V19  | Extension, 2" long              |     |   |

Net Weight 2 lbs.



# No. V55 EXTRA-SMALL SOCKET and TOOL SET



*The Finest that  
Money Can Buy*



46 Pieces

1/4 inch Square Drive

Sockets and Attachments

**H**ERE is the most complete set of extra-small and miniature tools ever assembled. It contains an assortment of 1/4" square drive sockets with handles and attachments made of Bonney 'CV' Chrome-Vanadium Steel; miniature box wrenches; miniature open end wrenches; small chisels; punches; screw drivers; hammers and miscellaneous tools. It will be found exceptionally useful by the "tune-up" and

ignition specialist and those who service and install radios, electrical appliances and other small apparatus where parts are small and space in which to work is limited.

All 46 pieces are packed in an attractively finished, sturdily made metal box which measures 11 1/8" x 6 1/8" x 1". Contents include one each of the following:

| No.  | Description  | No.  | Description                        |
|--|--|--|------------------------------------|
| <b>1/4" SQUARE DRIVE SOCKETS AND ATTACHMENTS</b> |  | <b>ZENEL OPEN-END WRENCHES (Continued)</b> |                                    |
| V6   | 3/16" Hexagon Socket                                 | E28  | 3/8" at 15° end, 11/32" at 60° end |
| V7   | 7/32" " "  | E30  | 7/16" " " "                        |
| V8   | 1/4" " "   | H10  | 3/16" & 7/32" Miniature            |
| V9   | 9/32" " "  | H12  | 1/4" & 5/32" " "                   |
| V10  | 5/16" Double Hexagon Socket                          | H14  | 5/16" & 11/32" " "                 |
| V11  | 11/32" " "   | H16  | 3/8" & 7/16" " "                   |
| V12  | 7/8" " "   | H18  | 13/32" & 15/32" " "                |
| V14  | 7/16" " "  | <b>PUNCHES AND CHISELS</b>                 |                                    |
| V88  | 5/4" Double Square Socket                            | C1   | Cold Chisel, 5" long, 5/16" edge   |
| VS10   | 5/16" " "  | C51  | Pin Punch, 1/16" point             |
| VS12   | 3/8" " "   | C52  | Pin Punch, 3/64" point             |
| V17  | Sliding "T" Handle, 4 1/2" long                      | C53  | " " " 3/32" point                  |
| V18  | Extension, 6" long                                   | C56  | Center Punch, 4" long, 1/16" point |
| <b>BOX WRENCHES</b>                              |  | <b>SCREW DRIVERS</b>                       |                                    |
| E40  | 3/16" & 13/64" Extra-Small with Hexagon opening      | O01  | Pocket Size, 2" blade, 1/8" tip    |
| E42  | 7/32" & 15/64" " " "                                 | E02  | 2" Blade, 1/8" tip (neon tube)     |
| E44  | 1/4" & 9/32" Extra-Small with Double Hexagon opening | O06  | 6" Blade, 3/16" tip                |
| E46  | 5/16" & 11/32" " " "                                 | <b>MISCELLANEOUS TOOLS</b>                 |                                    |
| <b>ZENEL OPEN-END WRENCHES</b>                   |  | B424                                       | Channellock Ignition Plier         |
| E14  | 13/64" at 15° end, 15/64" at 60° end                 | E55  | Tweezer, 5" long                   |
| E16  | 15/64" " " "   | K6   | Holding Tool, 6" reach             |
| E18  | 7/32" " " "  | PH1  | 2 oz. Ball Pein Hammer             |
| E20  | 1/4" " " "   | PH17                                       | 1 1/2 oz. Soft-face Hammer         |
| E22  | 9/32" " " "  | K52  | 5" Point File                      |
| E24  | 5/16" " " "  |  | Ignition Feeler Gauge              |
| E26  | 11/32" " " "   |  |                                    |

Net Weight—4 lbs. 2 oz.



*The Finest that  
Money Can Buy*

## 'CV' Chrome-Vanadium SMALL SOCKET SERIES

$\frac{3}{8}$  inch Square Drive  
Chromium Plated

### Double Hexagon and Hexagon Sockets

| Opening           | Double Hexagon No. | Hexagon No. | U. S. S. Bolt Size | Hex. Head Cap Screws | S.A.E. Std. Screw & Nut |
|-------------------|--------------------|-------------|--------------------|----------------------|-------------------------|
| $\frac{5}{16}$ "  | T10                | TH10        | $\frac{1}{8}$      | $\frac{1}{8}$        | .....                   |
| $\frac{3}{8}$ "   | T12                | TH12        | $\frac{3}{16}$     | $\frac{3}{16}$       | .....                   |
| $\frac{7}{16}$ "  | T14                | TH14        | .....              | $\frac{1}{4}$        | $\frac{1}{4}$           |
| $\frac{1}{2}$ "   | T16                | TH16        | $\frac{1}{4}$      | $\frac{5}{16}$       | $\frac{5}{16}$          |
| $\frac{9}{16}$ "  | T18                | TH18        | .....              | $\frac{3}{8}$        | $\frac{3}{8}$           |
| $\frac{19}{32}$ " | T19                | .....       | $\frac{5}{16}$     | .....                | .....                   |
| $\frac{5}{8}$ "   | T20                | TH20        | .....              | $\frac{7}{16}$       | $\frac{7}{16}$          |
| $\frac{11}{16}$ " | T22                | TH22        | $\frac{3}{8}$      | .....                | .....                   |
| $\frac{3}{4}$ "   | T24                | TH24        | .....              | $\frac{1}{2}$        | $\frac{1}{2}$           |
| $\frac{13}{16}$ " | T26                | .....       | .....              | $\frac{9}{16}$       | .....                   |
| $\frac{7}{8}$ "   | T128               | .....       | $\frac{1}{2}$      | $\frac{5}{8}$        | $\frac{9}{16}$          |



Double Hexagon Sockets



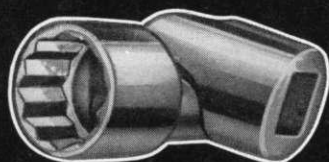
Hexagon Sockets



Deep Double Square Sockets

### Deep Double Square Sockets

| No.  | Opening          | Length           | U. S. S. Bolt Size | U. S. S. Cap Screw | U.S.S. or Amer. Std. Set Screw |
|------|------------------|------------------|--------------------|--------------------|--------------------------------|
| TS14 | $\frac{7}{16}$ " | $1\frac{1}{2}$ " | .....              | $\frac{5}{16}$     | $\frac{7}{16}$                 |
| TS16 | $\frac{1}{2}$ "  | $1\frac{1}{2}$ " | $\frac{1}{4}$      | $\frac{3}{8}$      | $\frac{1}{2}$                  |
| TS18 | $\frac{9}{16}$ " | $1\frac{1}{2}$ " | .....              | $\frac{7}{16}$     | $\frac{9}{16}$                 |
| TS20 | $\frac{5}{8}$ "  | $1\frac{1}{2}$ " | .....              | $\frac{1}{2}$      | $\frac{5}{8}$                  |



Flexible Double Hexagon Sockets

### Flexible Double Hexagon Sockets

| No.  | Opening          | U. S. S. Bolt Size | Hex. Head Cap Screw | S. A. E. Std. Screw & Nut |
|------|------------------|--------------------|---------------------|---------------------------|
| TU14 | $\frac{7}{16}$ " | .....              | $\frac{1}{4}$       | $\frac{1}{4}$             |
| TU16 | $\frac{1}{2}$ "  | $\frac{1}{4}$      | $\frac{5}{16}$      | $\frac{5}{16}$            |
| TU18 | $\frac{9}{16}$ " | .....              | $\frac{3}{8}$       | $\frac{3}{8}$             |
| TU20 | $\frac{5}{8}$ "  | .....              | $\frac{7}{16}$      | $\frac{7}{16}$            |



Extra-Deep Double Hexagon Sockets



Extra-Deep Hexagon Sockets

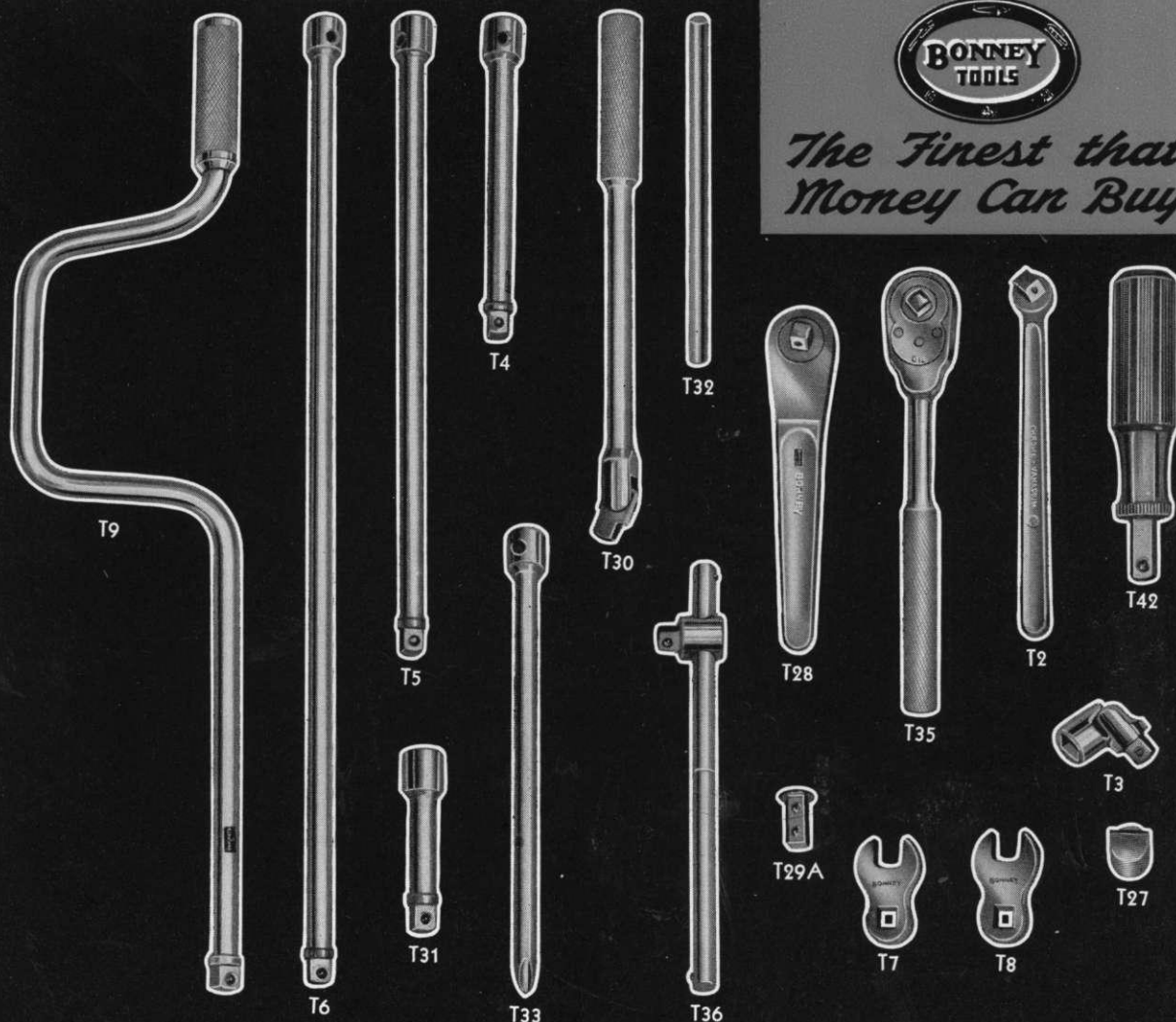
### Double Hexagon and Hexagon Extra-Deep Sockets

| Opening           | Double Hexagon |                   | Hexagon |                   | U. S. S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut |
|-------------------|----------------|-------------------|---------|-------------------|--------------------|---------------------|-------------------------|
|                   | No.            | Length            | No.     | Length            |                    |                     |                         |
| $\frac{7}{16}$ "  | LT14           | 2"                | T140    | 2"                | .....              | $\frac{1}{4}$       | $\frac{1}{4}$           |
| $\frac{1}{2}$ "   | LT16           | 2"                | T160    | 2"                | $\frac{1}{4}$      | $\frac{5}{16}$      | $\frac{5}{16}$          |
| $\frac{9}{16}$ "  | LT18           | 2"                | T180    | 2"                | .....              | $\frac{3}{8}$       | $\frac{3}{8}$           |
| $\frac{5}{8}$ "   | LT20           | 2 $\frac{1}{4}$ " | T200    | 2 $\frac{1}{4}$ " | .....              | $\frac{7}{16}$      | $\frac{7}{16}$          |
| $\frac{11}{16}$ " | LT22           | 2 $\frac{3}{8}$ " | T220    | 2 $\frac{3}{8}$ " | $\frac{3}{8}$      | .....               | .....                   |
| $\frac{3}{4}$ "   | LT24           | 2 $\frac{3}{8}$ " | T240    | 2 $\frac{3}{8}$ " | .....              | $\frac{1}{2}$       | $\frac{1}{2}$           |
| $\frac{13}{16}$ " | LT26           | 2 $\frac{3}{8}$ " | T260    | 2 $\frac{3}{8}$ " | .....              | $\frac{9}{16}$      | .....                   |
| $\frac{7}{8}$ "   | LT28           | 2 $\frac{1}{2}$ " | T280    | 2 $\frac{1}{2}$ " | $\frac{1}{2}$      | $\frac{5}{8}$       | $\frac{9}{16}$          |





*The Finest that  
Money Can Buy*



## 'CV' Chrome-Vanadium SMALL SERIES HANDLES and ATTACHMENTS

$\frac{3}{8}$  inch Square Drive  
Chromium Plated

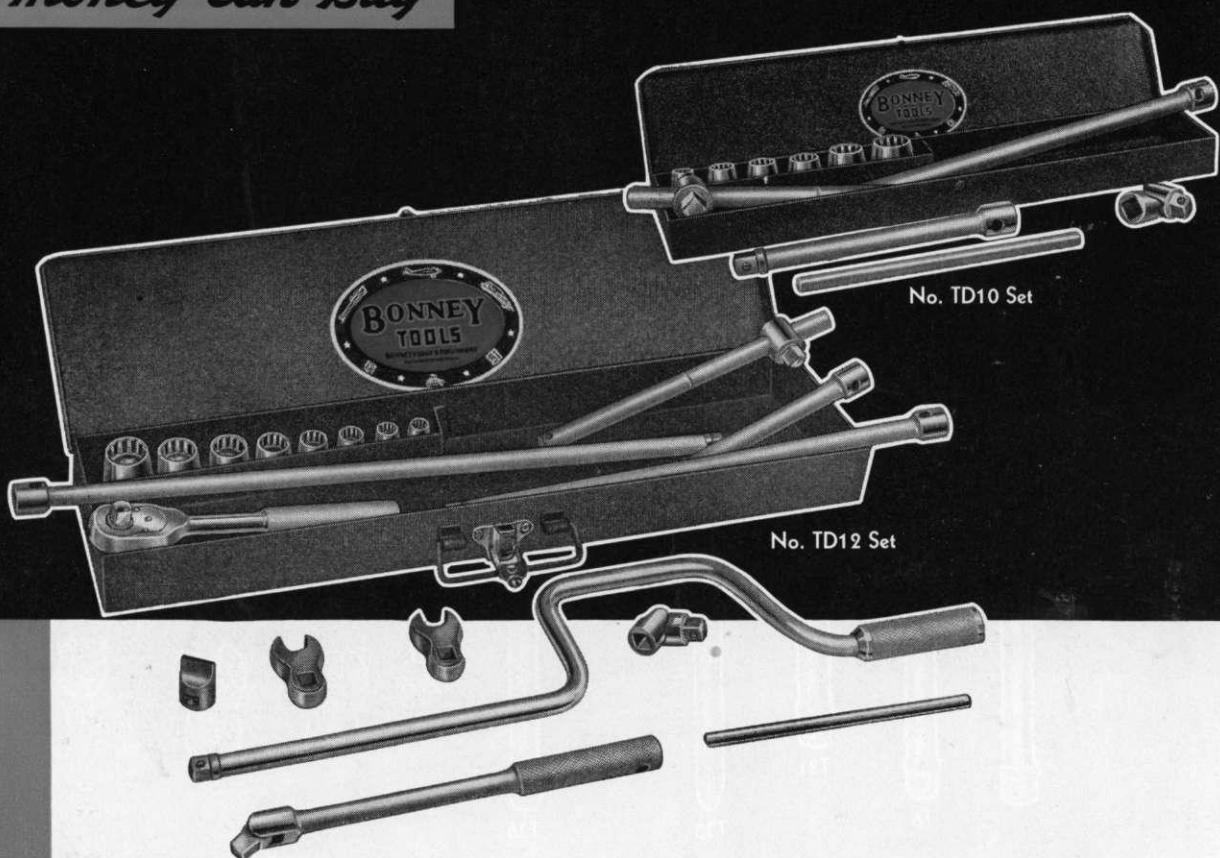
| No.  | Description                                     | No. | Description  |
|------|---|-----|--|
| T2   | Offset Handle, 7" long                          | T30 | Hing Handle, 8 $\frac{1}{2}$ " long  |
| T3   | Universal Joint                                 | T31 | Extension, 3" long   |
| T4   | Extension, 6" long                              | T32 | Cross Handle, 6" long, for T4, T5, T6, T30, T33                                    |
| T5   | Extension, 12" long                             | T33 | Blade with No. 4 Tip for No. 18 and larger Phillips Screws, 8 $\frac{3}{4}$ " long |
| T6   | Extension, 17" long                             | T35 | Reversible Ratchet, 7" long  |
| T7   | $\frac{1}{2}$ " Crowfoot attachment             | T36 | Sliding 'T' Handle, 8" long  |
| T8   | $\frac{9}{16}$ " Crowfoot attachment            | T42 | Screw Driver Handle, non-conductor type, 5 $\frac{1}{8}$ " long                    |
| T9   | Speeder, 17 $\frac{1}{2}$ " long                |     |  |
| T27  | Drag Link Socket                                |     |  |
| T28  | Ratchet Handle with Lug, 6 $\frac{1}{2}$ " long |     |  |
| T29A | Extra Lug for Ratchet                           |     |  |



*The Finest that  
Money Can Buy*

## SMALL SERIES SOCKET SETS

$\frac{3}{8}$  inch Square Drive



### No. TD10 Set

11 Pieces

THE No. TD10 Set is designed especially for those who want quality with a minimum investment. Contains eleven pieces each selected for the large number of uses to which it may be put. All pieces are made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and fully guaranteed. Packed complete in an attractively finished metal box measuring  $12\frac{3}{8}$ " x  $2\frac{1}{4}$ " x  $\frac{7}{8}$ ".

#### Contents

| No. | Description                            |
|-----|--|
| T3  | Universal Joint                        |
| T4  | Extension, 6" long                     |
| T5  | Extension, 12" long                    |
| T10 | $\frac{5}{16}$ " Double Hexagon Socket |
| T12 | $\frac{3}{8}$ " " " "                  |
| T14 | $\frac{7}{16}$ " " " "                 |
| T16 | $\frac{1}{2}$ " " " "                  |
| T18 | $\frac{9}{16}$ " " " "                 |
| T20 | $\frac{5}{8}$ " " " "                  |
| T32 | Cross Handle, 6" long                  |
| T36 | Sliding 'T' Handle, 8" long            |

Net Weight  $2\frac{3}{4}$  lbs.

### No. TD12 Set

20 Pieces

A complete, compact set of  $\frac{3}{8}$ " square drive sockets and attachments. Packed in an attractively finished metal case measuring 18" x  $4\frac{1}{4}$ " x  $1\frac{1}{2}$ ". All pieces are of 'CV' Chrome-Vanadium Steel fully chrome plated. It makes an ideal set for use either in the shop or on the job.

#### Contents

| No. | Description                               |
|-----|---|
| T10 | $\frac{5}{16}$ " Double Hexagon Socket    |
| T12 | $\frac{3}{8}$ " " " "                     |
| T14 | $\frac{7}{16}$ " " " "                    |
| T16 | $\frac{1}{2}$ " " " "                     |
| T18 | $\frac{9}{16}$ " " " "                    |
| T20 | $\frac{5}{8}$ " " " "                     |
| T22 | $\frac{11}{16}$ " " " "                   |
| T24 | $\frac{3}{4}$ " " " "                     |
| T3  | Universal Joint                           |
| T4  | Extension, 6" long                        |
| T5  | Extension, 12" long                       |
| T6  | Extension, 17" long                       |
| T7  | $\frac{1}{2}$ " Crowfoot Attachment       |
| T8  | $\frac{9}{16}$ " Crowfoot Attachment      |
| T9  | Speeder, $17\frac{1}{2}$ " long           |
| T27 | Drag Link Socket                          |
| T30 | Hinge Handle, $8\frac{1}{2}$ " long       |
| T32 | Cross Handle, 6" long                     |
| T35 | Reversible Ratchet, $7\frac{1}{2}$ " long |
| T36 | Sliding "T" Handle, 8" long               |

Net Weight  $7\frac{1}{2}$  lbs.

# SMALL SERIES SOCKET SETS

3/8 inch Square Drive



*The Finest that Money Can Buy*



No. TD11 Set

No. TD4 Set

## No. TD11 Set

12 Pieces

A socket set containing the latest type reversible ratchet and assortment of handles and attachments that will be found useful in practically all automotive service work. Each piece is made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and fully guaranteed. The box is attractively finished, made of heavy gauge sheet metal and measures 12 1/2" x 2 5/8" x 1 3/4".

### Contents

| No. | Description                 |
|-----|-----------------------------|
| T10 | 5/16" Double Hexagon Socket |
| T12 | 3/8" " " "                  |
| T14 | 7/16" " " "                 |
| T16 | 1/2" " " "                  |
| T18 | 9/16" " " "                 |
| T20 | 5/8" " " "                  |
| T3  | Universal Joint             |
| T4  | Extension, 6" long          |
| T5  | Extension, 12" long         |
| T32 | Cross Handle, 6" long       |
| T35 | Reversible Ratchet, 7" long |
| T36 | Sliding "T" Handle, 8" long |

Net Weight 2 3/4 lbs.

## No. TD4 Set

38 Pieces

A 3/8 inch square drive set that will answer practically every automotive need for a set of this size drive. Packed complete in an attractively finished metal box measuring 19" x 5" x 4 1/4" having removable tote tray. All pieces are made of 'CV' Chrome-Vanadium Steel, fully chrome plated and each piece is fully covered by the Bonney Guarantee. Contents are as follows:

| No.  | Description                              |
|------|--|
| T3   | Universal Joint                          |
| T4   | Extension, 6" long                       |
| T5   | Extension, 12" long                      |
| T6   | Extension, 17" long                      |
| T9   | Speeder, 17 1/2" long                    |
| T10  | 5/16" Double Hexagon Socket              |
| T12  | 3/8" " " "                               |
| T14  | 7/16" " " "                              |
| T16  | 1/2" " " "                               |
| T18  | 9/16" " " "                              |
| T19  | 19/32" " " "                             |
| T20  | 5/8" " " "                               |
| T22  | 11/16" " " "                             |
| T24  | 3/4" " " "                               |
| T26  | 13/16" " " "                             |
| T128 | 7/8" " " "                               |
| TS14 | 7/16" Double Square Socket, 11 1/2" long |
| TS16 | 1/2" " " " " " "                         |
| TS18 | 9/16" " " " " " "                        |
| TS20 | 5/8" " " " " " "                         |
| TU14 | 7/16" Flexible Double Hexagon Socket     |
| TU16 | 1/2" " " " " " "                         |
| TU18 | 9/16" " " " " " "                        |
| TU20 | 5/8" " " " " " "                         |
| LT14 | 7/16" Extra Deep Double Hexagon Socket   |
| LT16 | 1/2" " " " " " "                         |
| LT18 | 9/16" " " " " " "                        |
| LT20 | 5/8" " " " " " "                         |
| LT22 | 11/16" " " " " " "                       |
| LT24 | 3/4" " " " " " "                         |
| LT26 | 13/16" " " " " " "                       |
| LT28 | 7/8" " " " " " "                         |
| T27  | Drag Link Socket                         |
| T30  | Hinge Handle, 8 1/2" long                |
| T31  | Extension, 3" long                       |
| T32  | Cross Handle, 6" long                    |
| T35  | Reversible Ratchet, 7" long              |
| T36  | Sliding "T" Handle, 8" long              |

Net Weight 16 lbs.





*The Finest that  
Money Can Buy*

## No. TD5 AERONAUTICAL SOCKET and TOOL SET

45 Pieces

$\frac{3}{8}$  inch Square Drive

Sockets and Attachments



**A**SSEMBLED especially for the aeronautical engine mechanic it will be found to contain all of the essential stock tools needed for service work of this kind.

Each one of the 45 pieces is of the finest quality and selected

for its general utility value. All are packed in a substantial metal case which measures  $20\frac{1}{2}$ " x 8" x 5". It has removable tray, carrying handle, padlock hasp and two end catches. Contents are as follows:

| No.   | Description  | No.  | Description  |
|---|--|------|--|
| <b><math>\frac{3}{8}</math>" SQUARE DRIVE SOCKETS AND ATTACHMENTS</b> |  |      |  |
| TH10  | $\frac{5}{16}$ " Hexagon Socket                                  | 04   | SCREW DRIVERS  |
| TH12  | $\frac{3}{8}$ " " "  | 06   | Round Shank, $\frac{1}{4}$ " x 4" Blade                                      |
| TH14  | $\frac{7}{16}$ " " "   | S01  | " " $\frac{5}{16}$ " x 6" "  |
| TH16  | $\frac{1}{2}$ " " "  | S08  | Adjusting, $\frac{1}{4}$ " x $1\frac{3}{4}$ " Blade                          |
| TH18  | $\frac{9}{16}$ " " "   | 006  | Square Shank, $\frac{1}{2}$ " x 8" Blade                                     |
| TH20  | $\frac{5}{8}$ " " "  |      | Electricians' $\frac{3}{16}$ " x 6" Blade                                    |
| TH22  | $1\frac{1}{16}$ " " "  |      |  |
| TH24  | $\frac{3}{4}$ " " "  |      |  |
| T4  | Extension, 6" long   | PH2  | HAMMERS  |
| T35   | Reversible Ratchet, 7" long                                      | PH6  | $3\frac{1}{2}$ oz. Ball Pein   |
| T36   | Sliding "T" Handle, 8" long                                      | PH44 | $\frac{3}{4}$ lb. Ball Pein  |
|   | <b>WRENCHES</b>  |      | 10 oz. Soft Face, with one regular tip and one regular tip with brass insert |
| 1160  | $\frac{3}{8}$ " Opening Bonaloy Tu Type                          |      |  |
| 1161  | $\frac{7}{16}$ " " " " "   |      | <b>PUNCHES AND CHISELS</b>   |
| 1162  | $\frac{1}{2}$ " " " " "  | C3   | Flat Chisel, $\frac{5}{8}$ " cut   |
| 1163  | $\frac{9}{16}$ " " " " "   | C5   | " " $\frac{7}{8}$ " "  |
| 2892  | $\frac{5}{8}$ " & $1\frac{1}{16}$ " Double Hexagon Openings, 15° | C26  | Long Taper Punch, $\frac{3}{16}$ " point                                     |
|   | Angle Long Type Box Wrench                                       | C28  | Pin Punch, $\frac{1}{8}$ " point   |
| 2893B   | $\frac{3}{4}$ " & $\frac{7}{8}$ " Double Hexagon Openings, 15°   | C29  | " " $\frac{3}{16}$ " "   |
|   | Angle Long Type Box Wrench                                       | C34  | Center Punch, 5" long  |
| 1721  | $\frac{5}{16}$ " & $\frac{3}{8}$ " "CV" Engineers'               |      |  |
| 1725  | $\frac{7}{16}$ " & $\frac{1}{2}$ " "CV" Engineers'               |      | <b>MISCELLANEOUS</b>   |
| BW8   | 8" Open End Adjustable   | 2628 | Adjustable Hack Saw Frame and Blade  |
|   | <b>PLIERS</b>  |      | 6" Round Bastard File  |
| B6  | 6" Combination   |      | 8" Extra Slim Taper File   |
| B17   | 6" Diagonal Cutting  |      | 10" Half-Round Bastard File  |
| B25   | 6" Long Nose Side Cutting  |      | Small File Handle  |
| B537  | $7\frac{1}{2}$ " Champion DeArment Combination Side Cutting      |      | Two Medium File Handles  |

Net Weight 27 lbs.

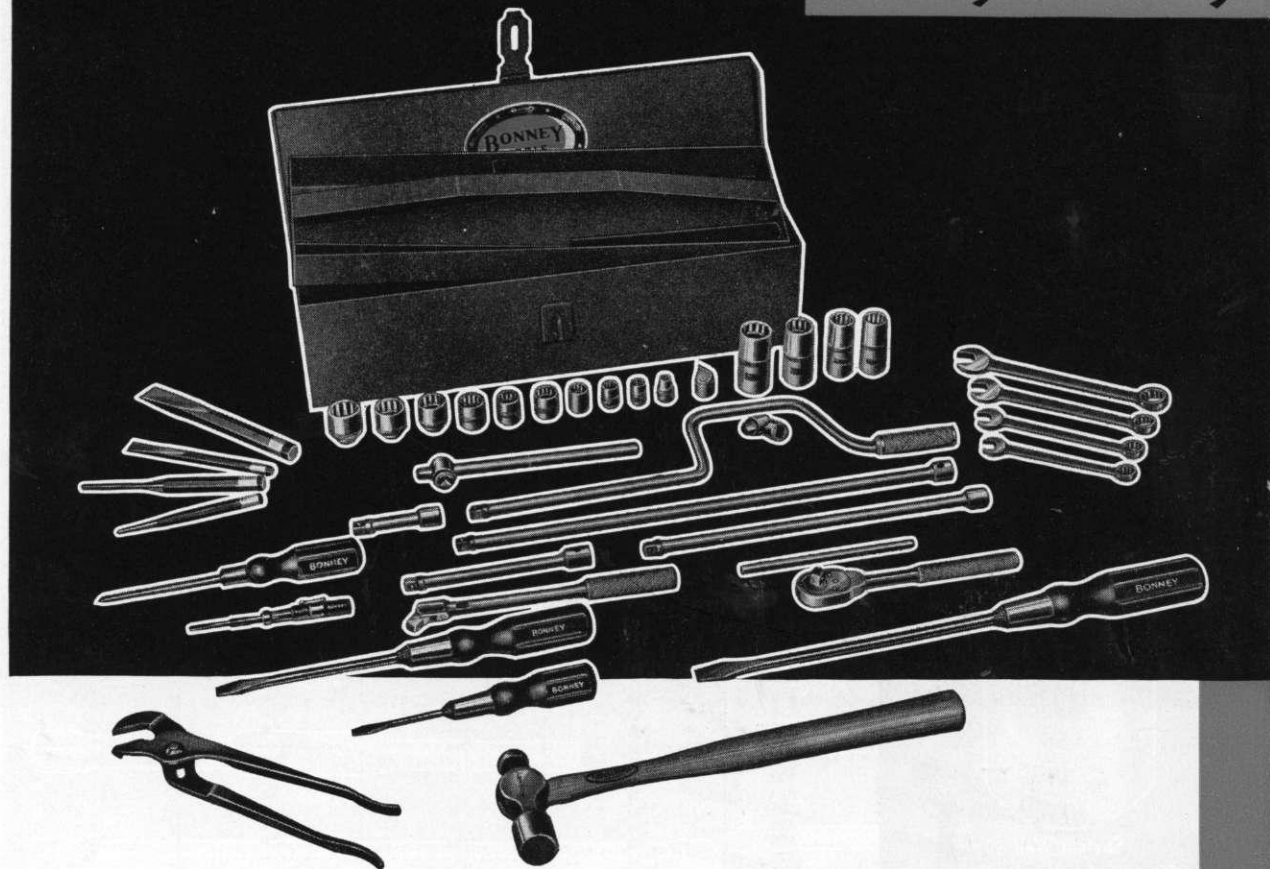
# No. TD6 SOCKET and TOOL SET

40 Pieces

3/8 inch Square Drive Sockets and Attachments



*The Finest that Money Can Buy*



A fine, light weight socket and tool set, comprising the most needed and useful tools for all-around service work. Contains ten 3/8" square drive double hexagon sockets with openings from 5/16" to 7/8", plus an assortment of handles and attachments for making practically any desired combination. In addition it includes combination box and open end wrenches, chisels, punches, screw drivers, adjustable

plier and ball pein hammer all in the most needed sizes. Every tool is of fine quality—made from the finest steels obtainable. All are packed in a sturdy metal box measuring 19" x 5" x 4 1/4" with carrying handle, end catches, padlock hasp and removable tote tray. Complete list of contents is as follows:

| No.  | Description  | No.  | Description   |
|------|--|------|---|
| T10  | 5/16" Double Hexagon Socket                        | T31  | Extension, 3" long                                    |
| T12  | 3/8" " " "   | T32  | Cross Handle, 6" long                                 |
| T14  | 7/16" " " "  | T35  | Reversible Ratchet, 7" long                           |
| T16  | 1/2" " " "   | T36  | Sliding "T" Handle, 8" long                           |
| T18  | 9/16" " " "  | 1161 | 7/16" Bonaloy TuType Wrench                           |
| T20  | 5/8" " " "   | 1162 | 1/2" " " "  |
| T22  | 11/16" " " "                                       | 1163 | 3/16" " " "   |
| T24  | 3/4" " " "   | 1164 | 5/8" " " "  |
| T26  | 13/16" " " "                                       | B420 | Adjustable Channellock Plier, 1/2" to 1 7/8" capacity |
| T128 | 7/8" " " "   | C2   | Flat Chisel, 7/16" cut                                |
| LT20 | 5/8" Extra-Deep Double Hexagon Socket, 2 1/4" long | C4   | Flat Chisel, 3/4" cut                                 |
| LT22 | 11/16" " " " " " 2 3/8" "                          | C34  | Center Punch  |
| LT26 | 13/16" " " " " " 2 3/8" "                          | C29  | Pin Punch, 3/16" point                                |
| LT28 | 7/8" " " " " " 2 1/2" "                            | E02  | Screw Driver (Neon Tube) 1/8" x 2 1/4" blade          |
| T3   | Universal Joint                                    | W03  | Wood Handle Screw Driver, 7/32" x 3" blade            |
| T4   | Extension, 6" long                                 | W06  | " " " " 5/16" x 6" "                                  |
| T5   | Extension, 12" long                                | W010 | " " " " 7/16" x 10" "                                 |
| T6   | Extension, 17" long                                | WP2  | " " " " for Phillips Screws Nos. 5 to 9 inc           |
| T9   | Speeder, 17 1/2" long                              | PH6  | 3/4 lb. Ball Pein Hammer                              |
| T27  | Drag Link Socket                                   |      |   |
| T30  | Hinge Handle, 8 1/2" long                          |      |   |

Net Weight 20 1/2 lbs.



*The Finest that  
Money Can Buy*

## 'CV' Chrome-Vanadium STANDARD SOCKET SERIES

1/2 inch Square Drive

Chromium Plated

### Double Hexagon Sockets

| No. | Opening | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut |
|-----|---------|-----------------------|------------------------|------------------------------|
| D12 | 3/8"    | 3/16                  | 3/16                   | 1/4                          |
| D14 | 7/16"   | 1/4                   | 1/4                    | 5/16                         |
| D16 | 1 1/2"  | 5/16                  | 5/16                   | 3/8                          |
| D17 | 17/32"  | 3/8                   | 3/8                    | 7/16                         |
| D18 | 9/16"   | 7/16                  | 7/16                   | 1 1/16                       |
| D19 | 19/32"  | 1/2                   | 1/2                    | 3/4                          |
| D20 | 5/8"    | 9/16                  | 9/16                   | 7/8                          |
| D21 | 21/32"  | 5/8                   | 5/8                    | 1 1/8                        |
| D22 | 11/16"  | 3/4                   | 3/4                    | 1 1/4                        |
| D24 | 3/4"    | 7/8                   | 7/8                    | 1 3/4                        |
| D25 | 25/32"  | 1                     | 1                      | 2                            |
| D26 | 13/16"  | 1 1/8                 | 1 1/8                  | 2 1/4                        |
| D28 | 15/16"  | 1 1/4                 | 1 1/4                  | 2 3/4                        |
| D30 | 15/16"  | 1 1/2                 | 1 1/2                  | 3                            |
| D31 | 31/32"  | 1 3/4                 | 1 3/4                  | 3 1/4                        |
| D32 | 1"      | 2                     | 2                      | 3 1/2                        |
| D34 | 1 1/16" | 2 1/4                 | 2 1/4                  | 4                            |
| D36 | 1 1/8"  | 2 1/2                 | 2 1/2                  | 4 1/4                        |
| D38 | 1 3/8"  | 2 3/4                 | 2 3/4                  | 4 3/4                        |
| D40 | 1 1/4"  | 3                     | 3                      | 5                            |



Double Hexagon Sockets



Straight Wall  
Double Hexagon Sockets

### Straight Wall Double Hexagon Sockets

| No. | Opening | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut |
|-----|---------|-----------------------|------------------------|------------------------------|
| A14 | 7/16"   | 3/16                  | 3/16                   | 1/4                          |
| A16 | 7/16"   | 1/4                   | 1/4                    | 5/16                         |
| A18 | 9/16"   | 5/16                  | 5/16                   | 3/8                          |
| A19 | 19/32"  | 3/8                   | 3/8                    | 7/16                         |
| A20 | 5/8"    | 7/16                  | 7/16                   | 1 1/16                       |
| A22 | 11/16"  | 1/2                   | 1/2                    | 3/4                          |
| A24 | 3/4"    | 9/16                  | 9/16                   | 7/8                          |
| A25 | 25/32"  | 5/8                   | 5/8                    | 1 1/8                        |
| A26 | 13/16"  | 3/4                   | 3/4                    | 1 1/4                        |
| A28 | 7/8"    | 7/8                   | 7/8                    | 1 3/4                        |
| A30 | 15/16"  | 1                     | 1                      | 2                            |
| A31 | 31/32"  | 1 1/8                 | 1 1/8                  | 2 1/4                        |
| A32 | 1"      | 1 1/4                 | 1 1/4                  | 2 3/4                        |



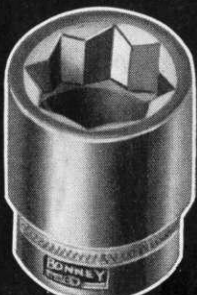
Hexagon Sockets

### Hexagon Sockets

| No.  | Opening | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut |
|------|---------|-----------------------|------------------------|------------------------------|
| 4012 | 3/8"    | 3/16                  | 3/16                   | 1/4                          |
| 4014 | 7/16"   | 1/4                   | 1/4                    | 5/16                         |
| 4016 | 9/16"   | 5/16                  | 5/16                   | 3/8                          |
| 4018 | 19/32"  | 3/8                   | 3/8                    | 7/16                         |
| 4019 | 5/8"    | 7/16                  | 7/16                   | 1 1/16                       |
| 4020 | 11/16"  | 1/2                   | 1/2                    | 3/4                          |
| 4021 | 3/4"    | 9/16                  | 9/16                   | 7/8                          |
| 4022 | 13/16"  | 5/8                   | 5/8                    | 1 1/8                        |
| 4024 | 7/8"    | 3/4                   | 3/4                    | 1 1/4                        |
| 4025 | 25/32"  | 7/8                   | 7/8                    | 1 3/4                        |
| 4026 | 15/16"  | 1                     | 1                      | 2                            |
| 4028 | 15/16"  | 1 1/8                 | 1 1/8                  | 2 1/4                        |
| 4030 | 31/32"  | 1 1/4                 | 1 1/4                  | 2 3/4                        |
| 4031 | 1"      | 1 1/2                 | 1 1/2                  | 3                            |
| 4032 | 1 1/16" | 1 3/4                 | 1 3/4                  | 3 1/4                        |

### Double Square Sockets

| No.  | Opening | U. S. S.<br>Bolt Size | U. S. S.<br>Cap Screw | U. S. S. or Amer.<br>Std. Set Screw |
|------|---------|-----------------------|-----------------------|-------------------------------------|
| 4112 | 3/8"    | 3/16                  | 3/16                  | 1/4                                 |
| 4114 | 7/16"   | 1/4                   | 1/4                   | 5/16                                |
| 4116 | 9/16"   | 5/16                  | 5/16                  | 3/8                                 |
| 4118 | 19/32"  | 3/8                   | 3/8                   | 7/16                                |
| 4120 | 5/8"    | 7/16                  | 7/16                  | 1 1/16                              |
| 4122 | 11/16"  | 1/2                   | 1/2                   | 3/4                                 |
| 4124 | 3/4"    | 9/16                  | 9/16                  | 7/8                                 |
| 4128 | 7/8"    | 1                     | 1                     | 2                                   |
| 4132 | 1"      | 1 1/8                 | 1 1/8                 | 2 1/4                               |

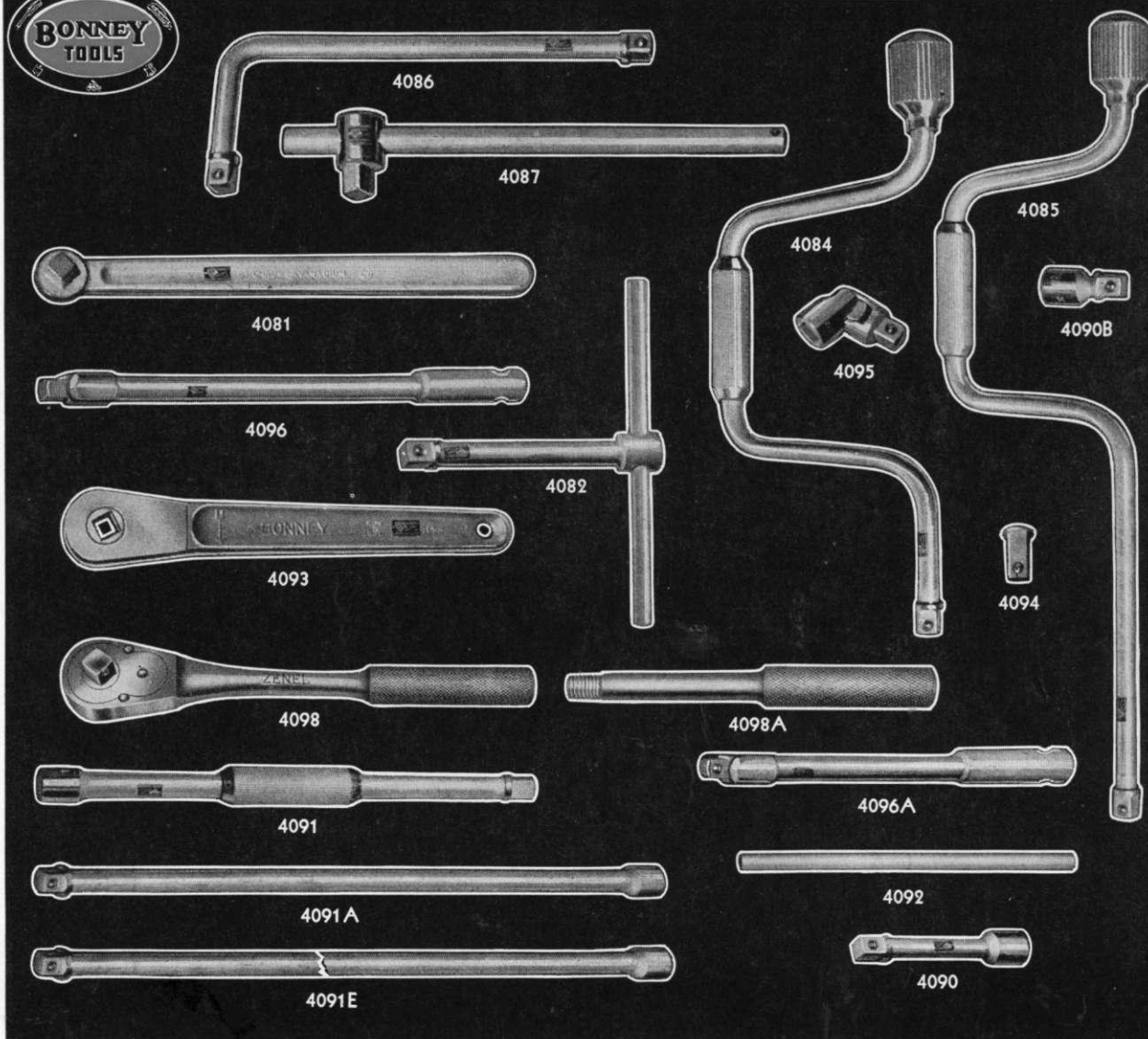


Double Square Sockets





*The Finest that Money Can Buy*



## 'CV' Chrome-Vanadium STANDARD SERIES HANDLES AND ATTACHMENTS

$\frac{1}{2}$  inch Square Drive  
Chromium Plated

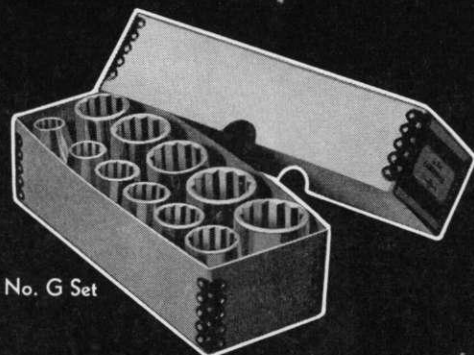
| No.   | Description                     | No.   | Description   |
|-------|---------------------------------|-------|---|
| 4081  | Offset Handle, 11" long         | 4091E | Extension, 26" long   |
| 4082  | "T" Handle, 6" long             | 4092  | Cross Handle for 4090, 4091, 4091A, 4091E, 4096, 4096A, 8" long |
| 4084  | Brace, 14" long                 | 4093  | Ratchet with lug, $9\frac{5}{8}$ " long                         |
| 4085  | Speeder, $19\frac{3}{4}$ " long | 4094  | Extra Lug for Ratchet   |
| 4086  | Offset Handle, 10" long         | 4095  | Universal Joint   |
| 4087  | Sliding "T" Handle, 11" long    | 4096  | Hinge Handle, 15" long  |
| 4087A | Sliding "T" Handle, 15" long    | 4096A | Hinge Handle, 11" long  |
| 4090  | Extension, 5" long              | 4098  | Reversible Ratchet, 10" long                                    |
| 4090B | Extension, 2" long              | 4098A | Extension for 4098, 5" long                                     |
| 4091  | Extension, 10" long             |       |   |
| 4091A | Extension, 20" long             |       |   |



*The Finest that Money Can Buy*

## STANDARD SERIES DOUBLE HEXAGON SOCKET SETS

1/2 inch Square Drive



No. G Set



No. D Set

### No. G Set

11 Pieces

**D**UE to the constant use which sockets receive, and the unusually hard wear to which they are subjected, many mechanics often find it necessary to replace their assortment of sockets before it is necessary to buy new handles and attachments. The G Set is ideal for this purpose. Consisting of eleven double hexagon sockets in the most necessary sizes for automotive and tractor service work, each one is made of 'CV' Chrome-Vanadium steel, heavily chrome plated and packed in a convenient cardboard box.

The set is also ideal for the mechanic who wants to add to his present tool kit. Contains the following:

| No. | Description                 |
|-----|-----------------------------|
| D14 | 7/16" Double Hexagon Socket |
| D16 | 1/2" " " "                  |
| D18 | 9/16" " " "                 |
| D19 | 19/32" " " "                |
| D20 | 5/8" " " "                  |
| D22 | 11/16" " " "                |
| D24 | 3/4" " " "                  |
| D25 | 25/32" " " "                |
| D26 | 13/16" " " "                |
| D28 | 7/8" " " "                  |
| D30 | 15/16" " " "                |

Net Weight 2 1/2 lb.

### No. D Set

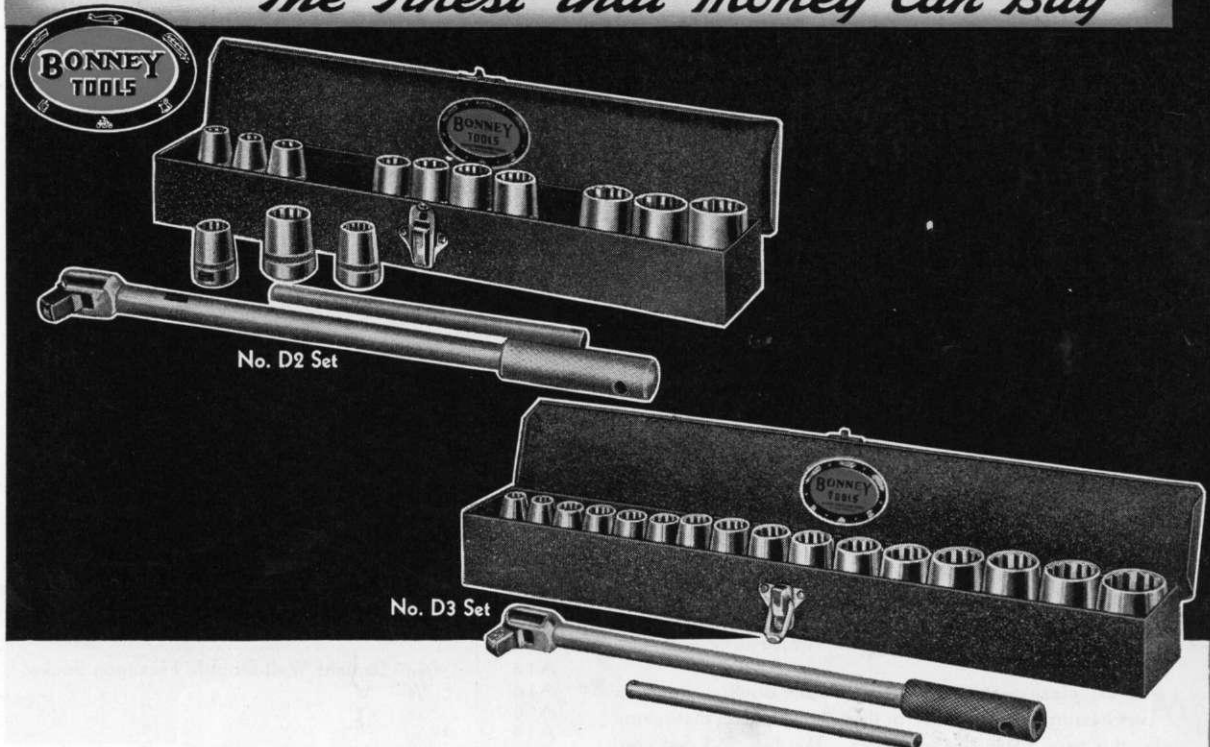
11 Pieces

**A** fine 1/2 inch square drive set of sockets in the most necessary sizes, with ratchet and lug. Packed in an attractively finished metal case, each one of the eleven pieces is made of 'CV' Chrome-Vanadium Steel, chrome plated and fully guaranteed. The metal box measures 11 3/8" x 3" x 1 3/4". Contents are as follows:

| No.  | Description                    |
|------|--------------------------------|
| D14  | 7/16" Double Hexagon Socket    |
| D16  | 1/2" " " "                     |
| D18  | 9/16" " " "                    |
| D19  | 19/32" " " "                   |
| D20  | 5/8" " " "                     |
| D22  | 11/16" " " "                   |
| D24  | 3/4" " " "                     |
| D25  | 25/32" " " "                   |
| D28  | 7/8" " " "                     |
| D32  | 1" " " "                       |
| 4093 | Ratchet, 9 5/8" long, with lug |

Net Weight 5 1/2 lb.

*The Finest that Money Can Buy*



## STANDARD SERIES DOUBLE HEXAGON SOCKET SETS

$\frac{1}{2}$  inch Square Drive

### No. D2 Set

15 Pieces

**B**ONNEY Socket Set No. D2 is a complete, compact, low priced socket set for heavy duty work, obtainable either in cardboard box or attractively finished metal carrying case. Made entirely of 'CV' Chrome-Vanadium Steel, all pieces are heavily chrome plated and will retain their original finish for many years to come. The box measures  $15\frac{7}{8}$ " x  $2\frac{3}{8}$ " x  $1\frac{3}{4}$ ". Contents are as follows:

| No.  | Description                            |
|------|--|
| D14  | $\frac{7}{16}$ " Double Hexagon Socket |
| D16  | $\frac{1}{2}$ " " " "                  |
| D18  | $\frac{9}{16}$ " " " "                 |
| D19  | $\frac{19}{32}$ " " " "                |
| D20  | $\frac{5}{8}$ " " " "                  |
| D21  | $\frac{21}{32}$ " " " "                |
| D22  | $\frac{11}{16}$ " " " "                |
| D24  | $\frac{3}{4}$ " " " "                  |
| D25  | $\frac{25}{32}$ " " " "                |
| D26  | $\frac{13}{16}$ " " " "                |
| D28  | $\frac{7}{8}$ " " " "                  |
| D30  | $\frac{15}{16}$ " " " "                |
| D32  | 1" " " "                               |
| 4096 | Hinge Handle, 15" long                 |
| 4092 | Cross Handle                           |

Net Weight in Metal Box  $6\frac{1}{4}$  lbs.

### No. D3 Set

18 Pieces

**T**HE D3 Socket Set is a complete, compact set for "all-around" service work. Each piece is made of 'CV' Chrome-Vanadium Steel, chrome plated and polished, and will withstand the most severe usage. Each one, of course, carries the usual Bonney Guarantee. All pieces are packed in an attractively finished, strong metal case which measures  $20\frac{1}{4}$ " x  $2\frac{1}{2}$ " x  $1\frac{7}{8}$ ". The set contains one each of the following:

| No.  | Description                            |
|------|--|
| D14  | $\frac{7}{16}$ " Double Hexagon Socket |
| D16  | $\frac{1}{2}$ " " " "                  |
| D18  | $\frac{9}{16}$ " " " "                 |
| D19  | $\frac{19}{32}$ " " " "                |
| D20  | $\frac{5}{8}$ " " " "                  |
| D21  | $\frac{21}{32}$ " " " "                |
| D22  | $\frac{11}{16}$ " " " "                |
| D24  | $\frac{3}{4}$ " " " "                  |
| D25  | $\frac{25}{32}$ " " " "                |
| D26  | $\frac{13}{16}$ " " " "                |
| D28  | $\frac{7}{8}$ " " " "                  |
| D30  | $\frac{15}{16}$ " " " "                |
| D32  | 1" " " "                               |
| D34  | $\frac{11}{16}$ " " " "                |
| D36  | $\frac{11}{8}$ " " " "                 |
| D40  | $\frac{11}{4}$ " " " "                 |
| 4096 | Hinge Handle, 15" long                 |
| 4092 | Cross Handle                           |

Net Weight  $8\frac{1}{2}$  lbs.

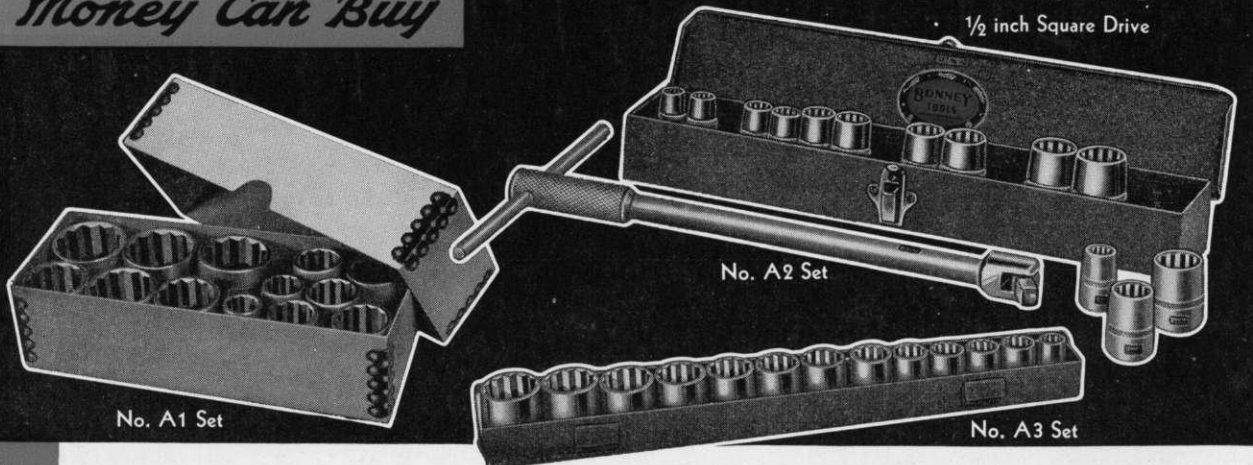




*The Finest that Money Can Buy*

# STANDARD SERIES STRAIGHT WALL DOUBLE HEXAGON SOCKET SETS

1/2 inch Square Drive



## No. A1 Set

13 Pieces

MANY mechanics find straight wall double hexagon sockets more convenient for their work, and for that reason prefer this type of socket to others. The No. A1 Set contains practically all sizes necessary for all ordinary work, and these sockets make a fine addition to any mechanic's tool kit. All pieces are made of 'CV' Chrome-Vanadium Steel, chrome plated and polished. Included are one each of the following:

| No. | Description                               |
|-----|---|
| A14 | 7/16" Straight Wall Double Hexagon Socket |
| A16 | 1/2" " " " " "                            |
| A18 | 9/16" " " " " "                           |
| A19 | 19/32" " " " " "                          |
| A20 | 5/8" " " " " "                            |
| A22 | 11/16" " " " " "                          |
| A24 | 3/4" " " " " "                            |
| A25 | 25/32" " " " " "                          |
| A26 | 13/16" " " " " "                          |
| A28 | 7/8" " " " " "                            |
| A30 | 15/16" " " " " "                          |
| A31 | 31/32" " " " " "                          |
| A32 | 1" " " " " "                              |

Net Weight 2 1/4 lb.

## No. A2 Set

15 Pieces

A very fine, complete set of straight wall double hexagon sockets and hinge handle that will take care of most jobs. All pieces are made of 'CV' Chrome-Vanadium Steel, heavily chrome plated and polished. Each piece carries the usual Bonney guarantee. Packed in an attractively finished metal case measuring 15 7/8" x 2 1/4" x 1 5/8". This set contains one each of the following pieces:

| No.  | Description                               |
|------|---|
| A14  | 7/16" Straight Wall Double Hexagon Socket |
| A16  | 1/2" " " " " "                            |
| A18  | 9/16" " " " " "                           |
| A19  | 19/32" " " " " "                          |
| A20  | 5/8" " " " " "                            |
| A22  | 11/16" " " " " "                          |
| A24  | 3/4" " " " " "                            |
| A25  | 25/32" " " " " "                          |
| A26  | 13/16" " " " " "                          |
| A28  | 7/8" " " " " "                            |
| A30  | 15/16" " " " " "                          |
| A31  | 31/32" " " " " "                          |
| A32  | 1" " " " " "                              |
| 4096 | Hinge Handle, 15" long                    |
| 4092 | Cross Handle                              |

Net Weight in Metal Box 6 1/4 lb.

## No. A3 Set

13 Pieces

A fine set of straight wall double hexagon Sockets for use with all 1/2 inch square drive handles and attachments. It makes a dandy set for those who want to replace or add to present socket equipment.

Made entirely of 'CV' Chrome-Vanadium Steel, chrome plated and polished, all sockets are packed in a metal tray having hooks for hanging on the side of your tool box, and moveable metal strip for holding sockets in place when not in use. The set contains one each of the following sockets:

| No. | Description                               |
|-----|---|
| A14 | 7/16" Straight Wall Double Hexagon Socket |
| A16 | 1/2" " " " " "                            |
| A18 | 9/16" " " " " "                           |
| A19 | 19/32" " " " " "                          |
| A20 | 5/8" " " " " "                            |
| A22 | 11/16" " " " " "                          |
| A24 | 3/4" " " " " "                            |
| A25 | 25/32" " " " " "                          |
| A26 | 13/16" " " " " "                          |
| A28 | 7/8" " " " " "                            |
| A30 | 15/16" " " " " "                          |
| A31 | 31/32" " " " " "                          |
| A32 | 1" " " " " "                              |

Tray measures 13 7/8" x 1 1/2" x 1".

Net Weight 3 lbs.

# No. RH SOCKET SET

36 Pieces



*The Finest that Money Can Buy*



HERE is a set any mechanic will be glad to own. It includes all popular sockets with double hexagon and double square openings in  $\frac{1}{2}$ " and  $\frac{3}{4}$ " square drive with an assortment of handles and attachments to handle practically any job requiring tools of this type on passenger cars, trucks, buses, tractors, industrial and farm machinery.

All pieces are made of Bonney 'CV' Chrome-Vanadium Steel, heavily chrome plated and will retain their original finish indefinitely. Every piece is fully guaranteed.

The complete set is packed in a sturdy metal case with removable tray, padlock hasp and end carrying handles measuring 25" x 8 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ ". Contents are as follows:

| No.  | Description   | No.  | Description   |
|------|---|------|---|
|      | <b><math>\frac{1}{2}</math>" SQUARE DRIVE SOCKETS AND ATTACHMENTS</b> |      |   |
| D14  | 7/16" Double Hexagon Socket   | 4091 | Extension, 10" long   |
| D16  | 1/2" " " "  | 4092 | Cross Handle, 8" long   |
| D18  | 9/16" " " "   | 4095 | Universal Joint   |
| D19  | 19/32" " " "  | 4096 | Hinge Handle, 15" long  |
| D20  | 5/8" " " "  | 4098 | Reversible Ratchet, 10" long  |
| D21  | 21/32" " " "  |      | <b><math>\frac{3}{4}</math>" SQUARE DRIVE SOCKETS AND ATTACHMENTS</b> |
| D22  | 11/16" " " "  | HD30 | 15/16" Double Hexagon Socket  |
| D24  | 3/4" " " "  | HD31 | 31/32" " " "  |
| D25  | 25/32" " " "  | HD32 | 1" " " "  |
| D26  | 13/16" " " "  | HD34 | 1 1/16" " " "   |
| D28  | 7/8" " " "  | HD36 | 1 1/8" " " "  |
| 4114 | 7/16" Double Square Socket  | HD40 | 1 1/4" " " "  |
| 4116 | 1/2" " " "  | HD44 | 1 3/8" " " "  |
| 4118 | 9/16" " " "   | HD46 | 1 7/16" " " "   |
| 4001 | Drag Link Socket  | HD48 | 1 1/2" " " "  |
| 4084 | Brace, 14" long   | HD52 | 1 5/8" " " "  |
| 4087 | Sliding "T" Handle, 11" long  | 4290 | Extension, 8 1/2" long  |
| 4090 | Extension, 5" long  | 4291 | Extension, 17" long   |
|      |   | 4287 | Sliding "T" Handle, 20" long  |

Net Weight 48 lbs.

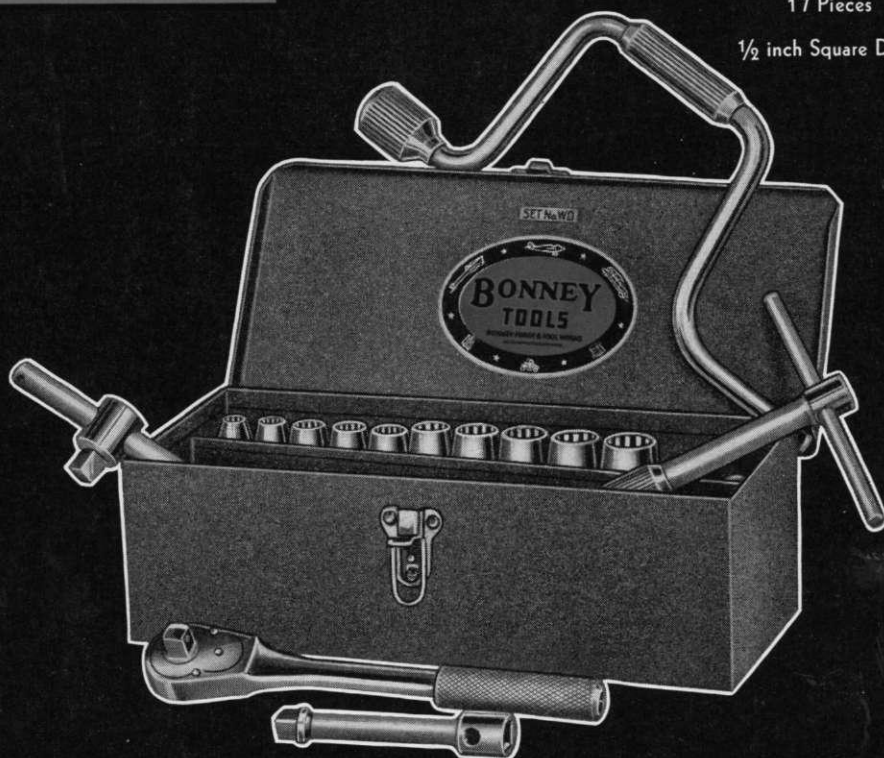


*The Finest that  
Money Can Buy*

## Nos. WD and WS STANDARD SERIES SOCKET SETS

17 Pieces

1/2 inch Square Drive



THE Nos. WD and WS Sets are identical except that the No. WD Set contains double hexagon sockets, while the No. WS Set contains straight wall double hexagon sockets. Each set contains sockets with openings that find the most general use plus an excellent assortment of handles and attachments.

Each piece is made of Bonney 'CV' Chrome-Vanadium Steel, carefully heat-treated and heavily chrome plated.

The substantial metal box is attractively finished, has carrying handle and measures 13 3/4" x 5 1/2" x 3 7/8".

Contents are as follows:

| No. WD Set    |                       | No. WS Set    |                                     |
|---------------|-----------------------|---------------|-------------------------------------|
| Socket Number | Double Hexagon Socket | Socket Number | Straight Wall Double Hexagon Socket |
| D14           | 7/16"                 | A14           | 7/16"                               |
| D16           | 1/2"                  | A16           | 1/2"                                |
| D18           | 9/16"                 | A18           | 9/16"                               |
| D19           | 19/32"                | A19           | 19/32"                              |
| D20           | 5/8"                  | A20           | 5/8"                                |
| D22           | 11/16"                | A22           | 11/16"                              |
| D24           | 3/4"                  | A24           | 3/4"                                |
| D25           | 25/32"                | A25           | 25/32"                              |
| D26           | 13/16"                | A26           | 13/16"                              |
| D28           | 7/8"                  | A28           | 7/8"                                |

In addition to the above sockets, each set contains one each of the following handles and attachments:

| No.  | Description                  | No.  | Description                  |
|------|------------------------------|------|------------------------------|
| 4084 | Brace, 14" long              | 4092 | Cross Handle, 8" long        |
| 4087 | Sliding "T" Handle, 11" long | 4095 | Universal Joint              |
| 4090 | Extension, 5" long           | 4098 | Reversible Ratchet, 10" long |
| 4091 | Extension, 10" long          |      |                              |

Net Weight, each set, 18 lbs.

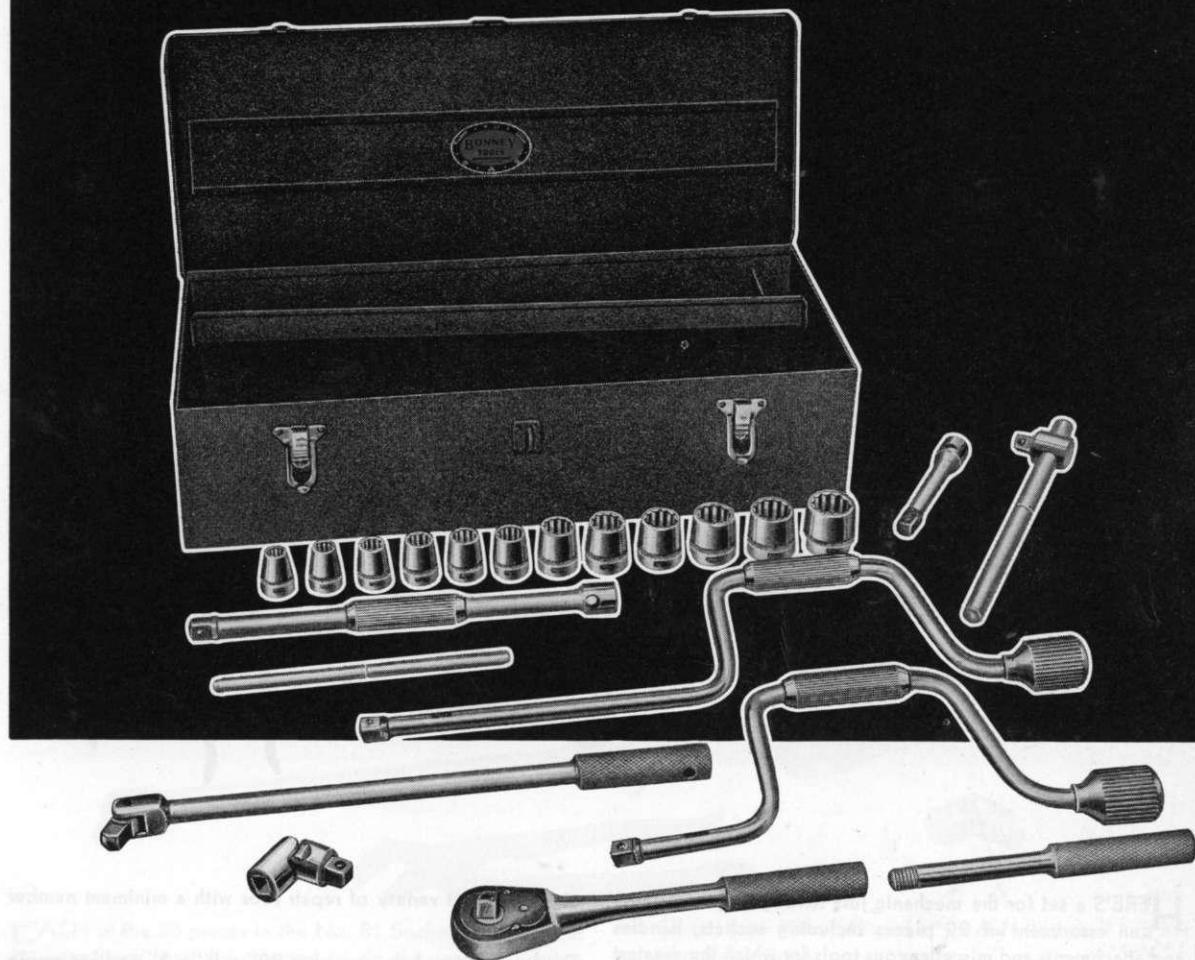




# Nos. RD1 and RS1 STANDARD SERIES SOCKET SETS

22 Pieces  
1/2 inch Square Drive

*The Finest that  
Money Can Buy*



**T**HESE two sets are similar in every way except that the No. RD1 Set has sockets with double hexagon openings and the No. RS1 Set has straight wall sockets with double hexagon openings.

The wide variety of handles and attachments included permits taking care of practically any job where tools of this type may be used.

All pieces are made of Bonney 'CV' Chrome-Vanadium

Steel, heavily chrome plated and fully guaranteed. A feature of these sets is the extension for the No. 4098 Reversible Ratchet, permitting the use of the ratchet not only for work in close quarters, but also with the extension where extra leverage is required.

The strong metal box which measures 20" x 8" x 5" has ample room for adding additional tools from time to time. Sockets included are as follows:

| No. RD1 Set |                         | No. RD1 Set |                         | No. RS1 Set |                                      | No. RS1 Set |                                      |
|-------------|-------------------------|-------------|-------------------------|-------------|--------------------------------------|-------------|--------------------------------------|
| Socket No.  | Double Hexagon Openings | Socket No.  | Double Hexagon Openings | Socket No.  | Straight Wall Double Hexagon Opening | Socket No.  | Straight Wall Double Hexagon Opening |
| D14         | 7/16"                   | D24         | 3/4"                    | A14         | 7/16"                                | A24         | 3/4"                                 |
| D16         | 1/2"                    | D25         | 25/32"                  | A16         | 1/2"                                 | A25         | 25/32"                               |
| D18         | 9/16"                   | D26         | 13/16"                  | A18         | 9/16"                                | A26         | 13/16"                               |
| D19         | 19/32"                  | D28         | 7/8"                    | A19         | 19/32"                               | A28         | 7/8"                                 |
| D20         | 5/8"                    | D30         | 15/16"                  | A20         | 5/8"                                 | A30         | 15/16"                               |
| D22         | 11/16"                  | D32         | 1"                      | A22         | 11/16"                               | A32         | 1"                                   |

Handles and attachments included in both sets, are as follows:

| No.  | Description                  | No.   | Description                  |
|------|------------------------------|-------|------------------------------|
| 4084 | Brace, 14" long              | 4092  | Cross Handle, 8" long        |
| 4085 | Speeder, 19 3/4" long        | 4095  | Universal Joint              |
| 4087 | Sliding "T" Handle, 11" long | 4096  | Hinge Handle, 15" long       |
| 4090 | Extension, 5" long           | 4098  | Reversible Ratchet, 10" long |
| 4091 | Extension, 10" long          | 4098A | Extension for 4098, 5" long  |

Net Weight, either sets 22 lbs.



*The Finest that  
Money Can Buy*

## No. JI SOCKET and TOOL SET

29 Pieces

1/2 inch Square Drive Sockets and Attachments



**H**ERE'S a set for the mechanic just starting out, containing an assortment of 29 pieces including sockets, handles and attachments and miscellaneous tools for which the greatest every day need will be found.

It is inexpensive, yet every piece is of the highest quality. The contents were carefully selected to enable the handling

of the greatest variety of repair jobs with a minimum number of tools.

The large roomy box, measures 20" x 8" x 5" and has ample room for the addition of other tools from time to time. It is equipped with carrying handle, end catches and padlock hasp.

Contents include one each of the following:

| No.  | Description                                    | No.  | Description                            |
|------|--|------|--|
| D14  | 7/16" Double Hexagon Socket                    | B420 | Channellock Adjustable Plier,          |
| D16  | 1/2" " " "                                     |      | 1/2" to 1 7/8" capacity                |
| D18  | 9/16" " " "                                    | C2   | Flat Chisel, 7/16" cut                 |
| D20  | 5/8" " " "                                     | C4   | " " " " 3/4" "                         |
| D22  | 11/16" " " "                                   | C34  | Center Punch                           |
| D24  | 3/4" " " "                                     | C29  | Pin Punch, 3/16" point                 |
| D26  | 13/16" " " "                                   | E02  | Screw Driver, (neon tube) Pocket size, |
| D28  | 7/8" " " "                                     |      | 2 1/4" blade                           |
| 4090 | Extension, 5" long                             | W03  | Wood Handle Screw Driver, 3" blade     |
| 4091 | Extension, 10" long                            | W06  | " " " " 6" "                           |
| 4092 | Cross Handle, 8" long                          | W010 | " " " " 10" "                          |
| 4093 | Ratchet (not reversible) 9 5/8" long, with lug | WP2  | " " " " for No. 5                      |
| 4096 | Hinge Handle, 15" long                         |      | to No. 9 inc. Phillips Screws          |
| 1161 | 7/16" Bonaloy TuType Wrench                    | PH7  | 1 lb. Ball Pein Hammer                 |
| 1162 | 1/2" " " "                                     | 2628 | Adjustable Hack Saw Frame with         |
| 1163 | 9/16" " " "                                    |      | No. F1018 Blade                        |
| 1164 | 5/8" " " "                                     |      |  |

Net Weight 22 lbs.

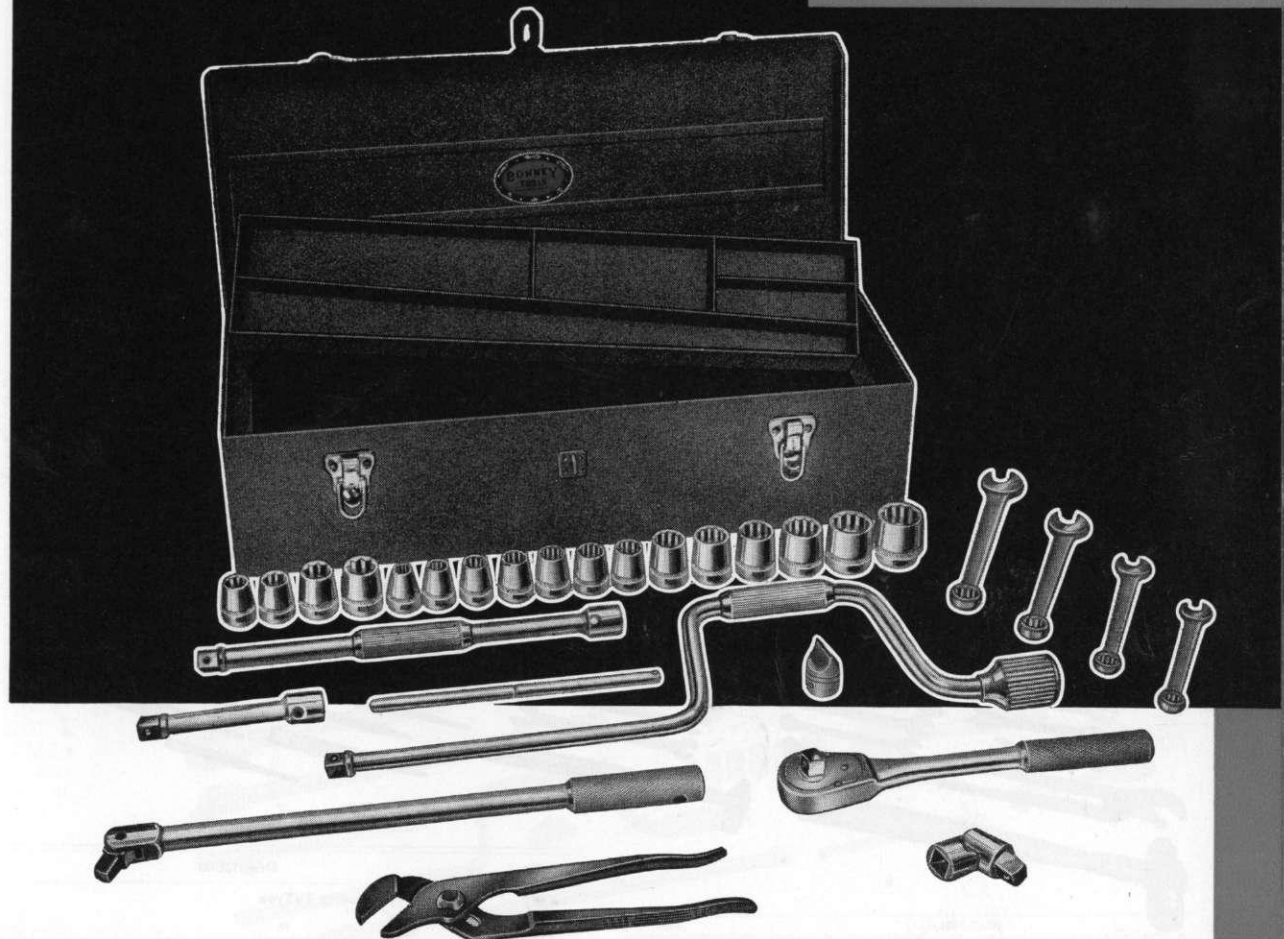
# No. B1 SOCKET and TOOL SET

30 Pieces

1/2 inch Square Drive Sockets and Attachments



*The Finest that Money Can Buy*



**E**ACH of the 30 pieces in the No. B1 Socket and Tool Set have been carefully selected to do the greatest number of jobs. It makes a perfect tool kit for the busy mechanic.

All sockets, handles and attachments are made of Bonney 'CV' Chrome-Vanadium Steel, while the four TuType Wrenches are drop forged of Bonaloy Steel. These pieces are all heavily chrome plated to give them a durable, rust-proof finish.

The Channellock Plier is forged of special alloy steel and has natural polished finish.

All pieces are packed in a sturdy, metal case with attractive finish that measure 20 1/2" x 8" x 5". It is equipped with carrying handle, end catches, padlock hasp and sliding, removable tray.

Contents of the set are as follows:

| No.  | Description                 | No.  | Description   |
|------|-----------------------------|------|---|
| D14  | 7/16" Double Hexagon Socket | 4118 | 9/16" Double Square Socket                            |
| D16  | 1/2" " " "                  | 4120 | 5/8" " " "  |
| D18  | 9/16" " " "                 | 4001 | 15/16" Drag Link Socket                               |
| D19  | 19/32" " " "                | 4085 | Speeder, 19 3/4" long                                 |
| D20  | 5/8" " " "                  | 4090 | Extension, 5" long                                    |
| D21  | 21/32" " " "                | 4091 | Extension, 10" long                                   |
| D22  | 11/16" " " "                | 4092 | Cross Handle, 8" long                                 |
| D24  | 3/4" " " "                  | 4095 | Universal Joint                                       |
| D25  | 25/32" " " "                | 4096 | Hinge Handle, 15" long                                |
| D26  | 13/16" " " "                | 4098 | Reversible Ratchet, 10" long                          |
| D28  | 7/8" " " "                  | 1161 | 7/16" Bonaloy TuType Wrench                           |
| D30  | 15/16" " " "                | 1162 | 1/2" " " "  |
| D32  | 1" " " "                    | 1163 | 9/16" " " "   |
| 4114 | 7/16" Double Square Socket  | 1164 | 5/8" " " "  |
| 4116 | 1/2" " " "                  | B420 | Channellock Adjustable Plier, 1/2" to 1 7/8" capacity |

Net Weight 24 lbs.





# No. BB1 SOCKET and TOOL SET

74 Pieces

1/2 inch Square Drive Sockets and Attachments

*The Finest that  
Money Can Buy*



**C**ONTAINING 72 tools that any mechanic will find need for on a great majority of jobs, the No. BB1 Socket and Tool Set makes an ideal kit.

All pieces are packed in a strong roomy metal chest measuring 22 3/4" x 10 3/4" x 9" with removable tray. It's an excellent box for any mechanic's main tool kit.

Contents include the following:

| No.   | Description                             |
|-------|---|
| D14   | 7/16" Double Hexagon Socket             |
| D16   | 1/2" " " "                              |
| D18   | 9/16" " " "                             |
| D19   | 19/32" " " "                            |
| D20   | 5/8" " " "                              |
| D21   | 21/32" " " "                            |
| D22   | 11/16" " " "                            |
| D24   | 3/4" " " "                              |
| D25   | 25/32" " " "                            |
| D26   | 13/16" " " "                            |
| D28   | 7/8" " " "                              |
| D30   | 15/16" " " "                            |
| D31   | 31/32" " " "                            |
| D32   | 1" " " "                                |
| LD26T | 13/16" Extra Deep Double Hexagon Socket |
| LD28T | 7/8" " " "                              |
| LD32  | 1" " " "                                |
| 4116  | 1/4" Double Square Socket               |
| 4118  | 9/16" " " "                             |
| 2591  | Stud Wrench, 5/16" to 3/4" capacity     |
| 4001  | 15/16" Drag Link Socket                 |
| 4084  | Brace, 14" long                         |
| 4087  | Sliding "T" Handle, 11" long            |
| 4090  | Extension, 5" long                      |
| 4091  | Extension, 10" long                     |
| 4092  | Cross Handle, 8" long                   |
| 4095  | Universal Joint                         |
| 4096  | Hinge Handle, 15" long                  |
| 4098  | Reversible Ratchet, 10" long            |
|       | <b>WRENCHES</b>                         |
| 1161  | 7/16" Bonaloy TuType                    |

| No.   | Description   |
|-------|---|
| 1162  | 1/2" Bonaloy TuType                                   |
| 1163  | 9/16" " "   |
| 1164  | 5/8" " "  |
| 3723  | 5/8" & 7/16" ZENEL Engineers'                         |
| 3025  | 1/2" & 19/32" " "                                     |
| 3027C | 9/16" & 11/16" " "                                    |
| 3028S | 5/8" & 25/32" " "                                     |
| 3731A | 3/4" & 1" " "   |
| 3033C | 15/16" & 1" " "                                       |
| 3422  | 1/2" & 9/16" ZENEL Tappet (two wrenches)              |
| 3423  | 5/8" & 11/16" " "                                     |
| 2804L | 5/8" & 7/16" Bonaloy Box Wrench                       |
| 2805L | 1/2" & 9/16" " "                                      |
| 2807A | 5/8" & 11/16" " "                                     |
| 2808  | 3/4" & 1" " "   |
| 2810  | 15/16" & 1" " "                                       |
|       | <b>CHISELS and PUNCHES</b>                            |
| C2    | Flat Chisel, 7/16" cut                                |
| C4    | Flat Chisel, 3/4" cut                                 |
| C6    | Flat Chisel, 1" cut                                   |
| C12   | Cape Chisel 1/4" cut                                  |
| C15   | Diamond Point Chisel, 1/4" cut                        |
| C21   | Solid Punch, 1/16" point                              |
| C23   | Solid Punch, 1/8" point                               |
| C25   | Long Taper Punch, 5/32" point                         |
| C28   | Pin Punch, 1/8" point                                 |
| C30   | Pin Punch, 1/4" point                                 |
| C34   | Center Punch  |
| C38   | Pry or Pinch Bar, 16" long                            |
|       | <b>SCREW DRIVERS</b>                                  |
| 001   | Pocket Size, 2" blade                                 |
| E03   | Electricians' (neon tube), 3" blade                   |
| S01   | Adjusting, 1 3/4" blade                               |
| S04   | Square Shank, 4" blade                                |
| 06    | Round Shank, 6" blade                                 |
| 08    | Round Shank, 8" blade                                 |
| 006   | Electricians', 6" blade                               |
| CP2   | for Nos. 5 to 9 inc. Phillips Screws                  |
|       | <b>MISCELLANEOUS</b>                                  |
| PH2   | 3 1/2 oz. Ball Pein (Gasket Hammer)                   |
| PH7   | 1 lb. Ball Pein Hammer                                |
| B420  | Channellock Adjustable Plier, 1/2" to 1 7/8" capacity |
| B424  | Channellock Ignition Plier                            |
| 2628  | Adjustable Hack Saw Frame with No. F1018 blade        |
| K54   | Standard Feeler Gauge                                 |

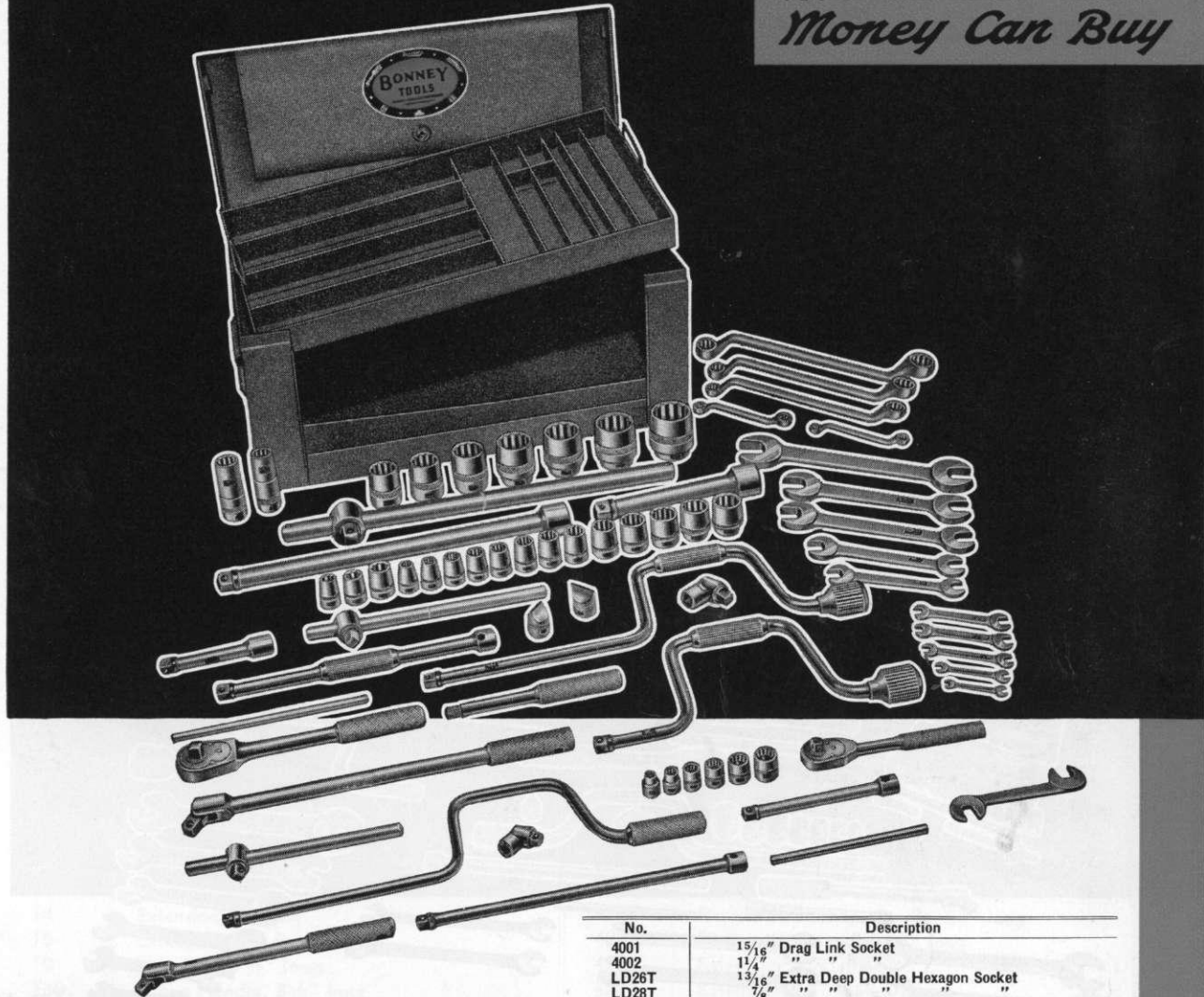
Net Weight 57 lbs.

# No. MC1 BENCH SET

70 Pieces



*The Finest that Money Can Buy*



THE assortment of tools included in the No. MC1 Bench Set is well adapted for "all around" work in the garage and service station. Mechanics find it an "all purpose" set, hard to beat. Everyone of the 70 pieces is light in weight, well balanced, sturdily made and fully guaranteed. The attractively finished metal chest measures 22 $\frac{3}{4}$ " x 10 $\frac{3}{4}$ " x 9" and includes removable tray. Included are the following pieces:

| No.  | Description                               |
|------|---|
| T10  | 3/8" SQUARE DRIVE SOCKETS AND ATTACHMENTS |
| T12  | 5/16" Double Hexagon Socket               |
| T14  | 7/16" " " " "                             |
| T16  | 9/16" " " " "                             |
| T18  | 1 1/16" " " " "                           |
| T20  | 1 1/8" " " " "                            |
| T3   | Universal Joint                           |
| T4   | Extension, 6" long                        |
| T5   | Extension, 12" long                       |
| T9   | Speeder, 17 1/2" long                     |
| T30  | Hinge Handle, 8 1/2" long                 |
| T32  | Cross Handle, 6" long                     |
| T35  | Reversible Ratchet, 7 1/2" long           |
| T36  | Sliding "T" Handle, 8" long               |
| 4114 | 1/2" SQUARE DRIVE SOCKETS AND ATTACHMENTS |
| 4116 | 7/16" Double Square Socket                |
| 4118 | 9/16" " " " "                             |
| D14  | 7/16" Double Hexagon Socket               |
| D16  | 9/16" " " " "                             |
| D18  | 1 1/16" " " " "                           |
| D19  | 1 1/8" " " " "                            |
| D20  | 1 1/4" " " " "                            |
| D21  | 21 3/32" " " " "                          |
| D22  | 17 3/32" " " " "                          |
| D24  | 13 1/16" " " " "                          |
| D26  | 13 1/8" " " " "                           |
| D28  | 15 1/8" " " " "                           |
| D30  | 31 1/16" " " " "                          |
| D31  | 31 1/32" " " " "                          |
| D32  | 1" " " " "                                |

| No.   | Description                               |
|-------|---|
| 4001  | 15 1/16" Drag Link Socket                 |
| 4002  | 11 1/8" " " " "                           |
| LD26T | 13 1/16" Extra Deep Double Hexagon Socket |
| LD28T | 7 1/8" " " " "                            |
| 4084  | Brace, 14" long                           |
| 4085  | Speeder, 19 3/4" long                     |
| 4087  | Sliding "T" Handle, 11" long              |
| 4090  | Extension, 5" long                        |
| 4091  | Extension, 10" long                       |
| 4092  | Cross Handle, 8" long                     |
| 4095  | Universal Joint                           |
| 4096  | Hinge Handle, 15" long                    |
| 4098  | Reversible Ratchet, 10" long              |
| 4098A | Extension for No. 4098, 5" long           |
| 3/4"  | SQUARE DRIVE SOCKETS AND ATTACHMENTS      |
| HD34  | 1 1/8" Double Hexagon Socket              |
| HD36  | 1 1/16" " " " "                           |
| HD40  | 1 1/8" " " " "                            |
| HD44  | 1 3/8" " " " "                            |
| HD46  | 1 7/8" " " " "                            |
| HD48  | 1 1/16" " " " "                           |
| HD52  | 1 5/8" " " " "                            |
| 4287  | Sliding "T" Handle, 20" long              |
| 4290  | Extension, 8 1/2" long                    |
| 4291  | Extension, 17" long                       |
|       | WRENCHES                                  |
| H10   | 3/16" & 7/32" Miniature Open End          |
| H12   | 1/4" & 9/32" " " " "                      |
| H14   | 5/16" & 11/32" " " " "                    |
| H16   | 3/8" & 7/16" " " " "                      |
| H18   | 13/32" & 15/16" " " " "                   |
| 1725B | 1 1/2" & 9/16" "CV" Engineers'            |
| 1027A | 5/8" & 1 1/16" " " " "                    |
| 1731  | 3/4" & 13/16" " " " "                     |
| 1033A | 7/8" & 1 1/8" " " " "                     |
| 1735  | 1" & 1 1/16" " " " "                      |
| 2725B | 1 1/4" & 9/16" " Right Angle              |
| 2804  | 3 1/2" & 7/16" Bonaloy Double Hexagon Box |
| 2805  | 1 1/2" & 9/16" " " " "                    |
| 2807A | 5/8" & 1 1/16" " " " "                    |
| 2808  | 3/4" & 1 1/8" " " " "                     |
| 2810  | 15 1/16" & 1" " " " "                     |

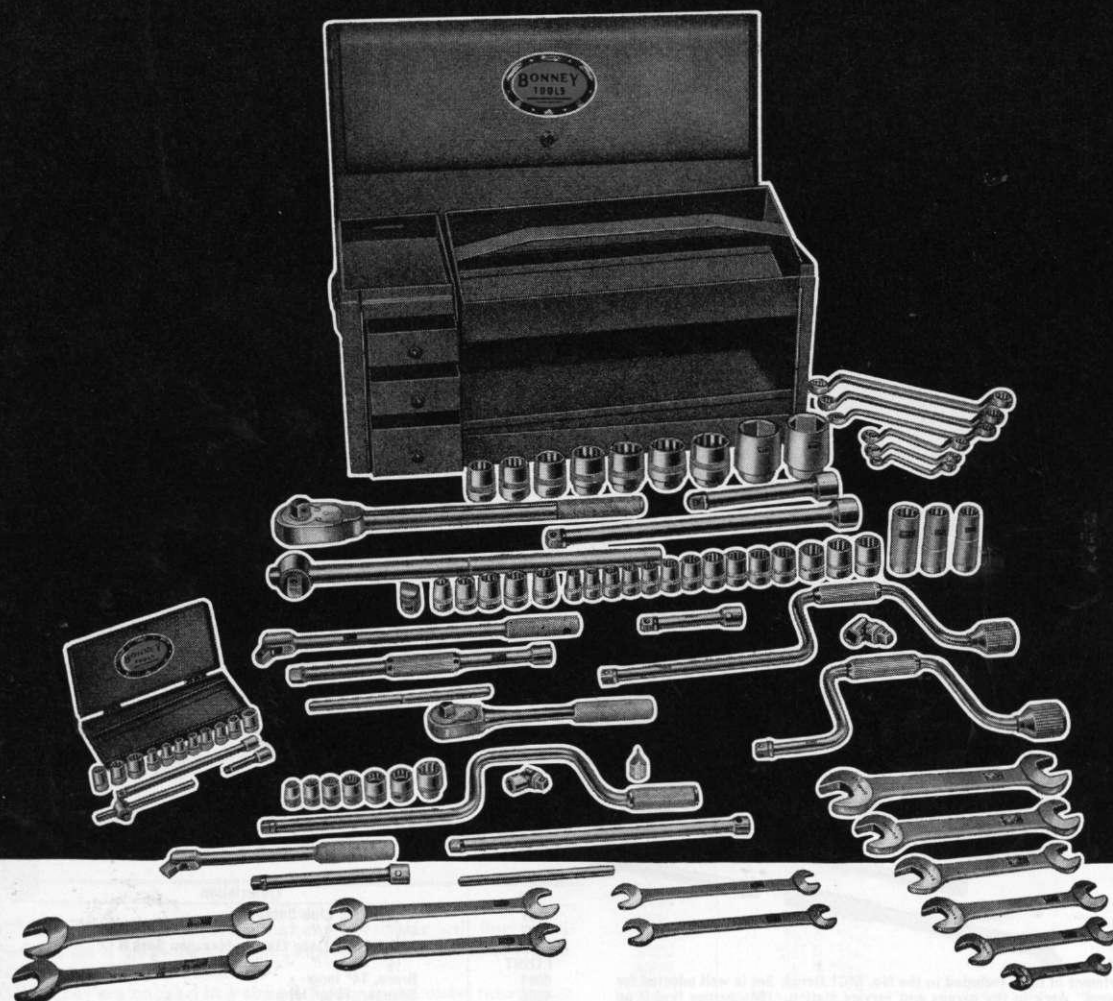
Net Weight 60 lbs.



*The Finest that  
Money Can Buy*

## No. AB SOCKET and WRENCH SET

90 Pieces



**A**N unusually fine set of sockets, handles and attachments and a carefully selected assortment of wrenches to take care of nuts from the smallest to the largest sizes found on cars, trucks and buses.

With this assortment the mechanic is assured that he has a set of tools for every practical purpose and one that is fully guaranteed.

The metal chest furnished with the tools has a removable tray and three drawers. It is equipped with end carrying handles, lock and key. It measures  $26\frac{1}{2}'' \times 12'' \times 11\frac{1}{4}''$ .

Complete contents of the No. AB Socket and Wrench Set are listed on page 29.





# CONTENTS

## No. AB SOCKET and WRENCH SET

*The Finest that  
Money Can Buy*

| No.  | Description                                 | No.  | Description                                  |
|--|---|--|--|
| <b>1/4 INCH SQUARE DRIVE SOCKETS AND ATTACHMENTS</b>                                       |   | <b>1/2 INCH SQUARE DRIVE SOCKETS AND ATTACHMENTS (Cont.)</b> |  |
| V6   | 3/16" Hexagon Socket                        | 4116   | 1/2" Double Square Socket                    |
| V7   | 7/32" " " "                                 | 4118   | 9/16" " " "                                  |
| V8   | 1/4" " " "                                  | 4120   | 5/8" " " "                                   |
| V9   | 9/32" " " "                                 | 4124   | 3/4" " " "                                   |
| V10  | 5/16" Double Hexagon Socket                 | LD26T  | 13/16" Extra-Deep Double Hexagon Socket      |
| V11  | 11/32" " " "                                | LD28T  | 7/8" " " " " "                               |
| V12  | 3/8" " " "                                  | LD32   | 1" " " " " "                                 |
| V14  | 7/16" " " "                                 | 4084   | Brace, 14" long                              |
| VS8  | 1/4" Double Square Socket                   | 4085   | Speeder, 20' long                            |
| VS10   | 5/16" " " "                                 | 4090   | Extension, 5" long                           |
| VS12   | 3/8" " " "                                  | 4091   | Extension, 10" long                          |
| V17  | Sliding "T" Handle, 4 1/2" long             | 4092   | Cross Handle, 8" long                        |
| V18  | Extension, 6" long                          | 4095   | Universal Joint                              |
| V19  | Extension, 2" long                          | 4096   | Hinge Handle, 15" long                       |
| The 14 pieces listed above are packed in a separate metal case measuring 6 1/4" x 3" x 1". |   | 4098   | Reversible Ratchet, 10" long                 |
| <b>3/8 INCH SQUARE DRIVE SOCKETS AND ATTACHMENTS</b>                                       |   | <b>3/4 INCH SQUARE DRIVE SOCKETS AND ATTACHMENTS</b>         |  |
| T12  | 3/8" Double Hexagon Socket                  | HD34   | 1 1/16" Double Hexagon Socket                |
| T14  | 7/16" " " "                                 | HD36   | 1 1/8" " " "                                 |
| T16  | 1/2" " " "                                  | HD40   | 1 1/4" " " "                                 |
| T18  | 9/16" " " "                                 | HD44   | 1 3/8" " " "                                 |
| T20  | 5/8" " " "                                  | HD46   | 1 7/16" " " "                                |
| T22  | 1 1/16" " " "                               | HD48   | 1 1/2" " " "                                 |
| T24  | 3/4" " " "                                  | HD52   | 1 5/8" " " "                                 |
| T27  | Drag Link Socket                            | 4256   | 1 3/4" Hexagon Socket                        |
| T3   | Universal Joint                             | 4258   | 1 13/16" " " "                               |
| T4   | Extension, 6" long                          | 4285   | Reversible Ratchet Handle, 20" long          |
| T5   | Extension, 12" long                         | 4287   | Sliding "T" Handle, 20" long                 |
| T9   | Speeder, 17 1/2" long                       | 4290   | Extension, 8 1/2" long                       |
| T30  | Hinge Handle, 8 1/2" long                   | 4291   | Extension, 17" long                          |
| T32  | Cross Handle, 6" long                       | <b>BOX WRENCHES</b>  |  |
| <b>1/2 INCH SQUARE DRIVE SOCKETS AND ATTACHMENTS</b>                                       |   | 176  | 3/8" & 7/16" Dble. Hex. openings, short type |
| A14  | 7/16" Straight Wall Double Hexagon Socket   | 177  | 1/2" & 9/16" " " " " "                       |
| A16  | 1/2" " " " " "                              | 178  | 5/8" & 1 1/16" " " " " "                     |
| A18  | 9/16" " " " " "                             | 182  | 5/8" & 1 1/16" " " " long type               |
| A19  | 19/32" " " " " "                            | 183  | 3/4" & 2 5/32" " " " " "                     |
| A20  | 5/8" " " " " "                              | 184  | 1 3/16" & 7/8" " " " " "                     |
| D21  | 2 1/32" Double Hexagon Socket               | <b>TAPPET WRENCHES</b>                                       |  |
| A22  | 1 1/16" Straight Wall Double Hexagon Socket | 422  | (Two each) 1/2" & 9/16" Openings             |
| A24  | 3/4" " " " " "                              | 424  | (Two each) 5/8" & 1 1/16" "                  |
| A25  | 2 5/32" " " " " "                           | 426  | (Two each) 3/4" & 7/8" "                     |
| A26  | 1 3/16" " " " " "                           | <b>ENGINEERS' WRENCHES</b>                                   |  |
| A28  | 7/8" " " " " "                              | 1723   | 3/8" & 7/16" Openings                        |
| A30  | 1 5/16" " " " " "                           | 1025   | 1/2" & 19/32" "                              |
| A31  | 3 1/32" " " " " "                           | 1027C  | 9/16" & 1 1/16" "                            |
| A32  | 1" " " " " "                                | 1028S  | 5/8" & 2 5/32" "                             |
| 4001   | 1 5/16" Drag Link Socket                    | 1731A  | 3/4" & 7/8" "                                |
| 4114   | 7/16" Double Square Socket                  | 1033C  | 1 5/16" & 1" "                               |

Net Weight 107 lbs.



*The Finest that  
Money Can Buy*

# No. AA2 SOCKET and TOOL SET

147 Pieces



**T**HE Bonney No. AA2 Socket and Tool Set contains the finest and most complete assortment of tools ever assembled in one kit. 147 pieces—including of almost every description to do practically any job encountered.

Complete sets of sockets with handles and attachments, box wrenches, open end wrenches, tappet wrenches, pliers, hammers, punches, chisels, screw drivers and special tools—all are included.

The complete assortment is packed in a massive metal chest, attractively finished, which has removable tray and three convenient drawers, lock, key and end carrying handles. The box measures 26 $\frac{1}{2}$ " x 12" x 11 $\frac{1}{4}$ ". It will last practically a lifetime.

Complete list of contents of the No. AA2 Set is given below and on page 31.

## CONTENTS No. AA2 SOCKET and TOOL SET

| No.  | Description                               | No. | Description  |
|------|---|-----|--|
|      | <b>1/4" SQ. DR. SOCK. AND ATTACHMENTS</b> |     |  |
| V6   | 3/16" Hexagon Socket                      | V17 | Sliding "T" Handle, 4 1/2" long  |
| V7   | 7/32" " "                                 | V18 | Extension, 6" long   |
| V8   | 1/4" " "                                  | V19 | Extension, 2" long   |
| V9   | 9/32" " "                                 |     | The 14 pieces listed above are packed in a separate metal case which measures 6 1/4" x 3" x 1" |
| V10  | 5/16" Double Hexagon Socket               |     | <b>3/8" SQ. DR. SOCK. AND ATTACHMENTS</b>  |
| V11  | 11/32" " " "                              | T12 | 3/8" Double Hexagon Socket   |
| V12  | 3/8" " " "                                | T14 | 7/16" " " "  |
| V14  | 7/16" " " "                               | T16 | 1/2" " " "   |
| VS8  | 1/4" Double Square Socket                 | T18 | 9/16" " " "  |
| VS10 | 5/16" " " "                               | T20 | 5/8" " " "   |
| VS12 | 3/8" " " "                                |     |  |

# CONTENTS NO. AA2 SOCKET AND TOOL SET (continued)



*The Finest that  
 Money Can Buy*

| No.   | Description                                 | No.   | Description                                    |
|-------|---|-------|--|
|       | 3/8" SQ. DR. SOCK. AND ATTACH. (Cont.)      |       | BOX WRENCHES (Cont.)                           |
| T22   | 11/16" Double Hexagon Socket                | E46   | 5/16" & 11/32" Extra-Small, Dble. Hex. Open.   |
| T24   | 3/4" " " " "                                | 2804  | 3/8" & 7/16" Short Type, " " "                 |
| T27   | Drag Link Socket                            | 2805  | 1/2" & 9/16" " " " "                           |
| T3    | Universal Joint                             | 2805L | 1/2" & 9/16" Long Type, Dble. Hex. Open.       |
| T4    | Extension, 6" long                          | 2807A | 5/8" & 11/16" " " " "                          |
| T5    | Extension, 12" long                         | 2808  | 3/4" & 7/8" Long Type, Dble. Hex. Open.        |
| T9    | Speeder, 17 1/2" long                       | 2810  | 15/16" & 1" " " " "                            |
| T30   | Hinge Handle, 8 1/2" long                   |       | ZENEL ENGINEERS' WRENCHES                      |
| T31   | Extension, 3" long                          | H10   | 3/16" & 7/32" Openings, Miniature              |
| T32   | Cross Handle, 6" long                       | H12   | 1/4" & 9/32" " " "                             |
| T35   | Reversible Ratchet, 7" long                 | H14   | 5/16" & 11/32" " " "                           |
| TU14  | 7/16" Flexible Double Hexagon Socket        | H16   | 3/8" & 7/16" " " "                             |
| TU16  | 1/2" " " " "                                | H18   | 13/32" & 15/32" " " "                          |
| TU18  | 9/16" " " " "                               | 3723A | 3/8" & 1/2" Openings                           |
| TU20  | 5/8" " " " "                                | 3025  | 1/2" & 19/32" " "                              |
|       | 1/2" SQ. DR. SOCK. AND ATTACHMENTS          | 3725B | 1/2" & 9/16" " "                               |
| D14   | 7/16" Double Hexagon Socket                 | 3027C | 9/16" & 11/16" " "                             |
| D16   | 1/2" " " " "                                | 3028S | 5/8" & 25/32" " "                              |
| D18   | 9/16" " " " "                               | 3731A | 3/4" & 7/8" " "                                |
| D19   | 19/32" " " " "                              | 3033C | 15/16" & 1" " "                                |
| D20   | 5/8" " " " "                                |       | ZENEL TAPPET WRENCHES                          |
| D21   | 21/32" " " " "                              | 3422  | (Two each) 1/2" & 9/16" Openings               |
| D22   | 11/16" " " " "                              | 3424  | (Two each) 5/8" & 11/16" " "                   |
| D24   | 3/4" " " " "                                | 3426  | (Two each) 3/4" & 7/8" " "                     |
| D25   | 25/32" " " " "                              |       | PLIERS   |
| D26   | 13/16" " " " "                              | B6    | 6" Combination                                 |
| D28   | 7/8" " " " "                                | B10   | 10" " "  |
| D30   | 15/16" " " " "                              | B11   | 5" Thin Nose Combination                       |
| D31   | 31/32" " " " "                              | B17   | Diagonal Cutting                               |
| D32   | 1" " " " "                                  | B23   | 8" Lineman's Cutting                           |
| 4001  | Drag Link Socket                            | B420  | Channellock Adjustable, 1/2" to 1 7/8" cap.    |
| 4114  | 7/16" Double Square Socket                  | B424  | " Ignition                                     |
| 4116  | 1/2" " " " "                                |       | HAMMERS  |
| 4118  | 9/16" " " " "                               | PH2   | 3 1/2 oz. Ball Pein                            |
| 4120  | 5/8" " " " "                                | PH7   | 1 lb. " "                                      |
| 4124  | 3/4" " " " "                                | PH10  | 2 lb. " "                                      |
| LD26T | 13/16" Extra-Deep Socket, 3 1/4" long       | PH20  | 1 lb. Soft Face                                |
| LD28T | 7/8" " " " "                                |       | PUNCHES AND CHISELS                            |
| LD32  | 1" " " " "                                  | C2    | Flat, 7/16" cut                                |
| LD36  | 1 1/8" " " " "                              | C4    | " 3/4" "                                       |
| 4084  | Brace, 14" long                             | C6    | " 1" "   |
| 4085  | Speeder, 20" long                           | C21   | Solid Punch, 1/16" point                       |
| 4087  | Sliding "T" Handle, 11" long                | C26   | Long Taper Punch, 3/16" point                  |
| 4090  | Extension, 5" long                          | C28   | Pin Punch, 1/8" point                          |
| 4090B | Extension, 2" long                          | C29   | " " 3/16" "                                    |
| 4091  | Extension, 10" long                         | C34   | Center Punch                                   |
| 4092  | Cross Handle, 8" long                       | C36   | Rivet Buster, 5/8" cut                         |
| 4095  | Universal Joint                             | C38   | Pry or Pinch Bar, 16" long                     |
| 4096  | Hinge Handle, 15" long                      |       | SCREW DRIVERS                                  |
| 4098  | Reversible Ratchet, 10" long                | 001   | Pocket Size, 2" blade                          |
|       | 3/4" SQ. DR. SOCK. AND ATTACHMENTS          | CP2   | for Phillips Screws Nos. 5 to 9 inc.           |
| HD32  | 1" Double Hexagon Socket                    | 006   | Electricians', 6" blade                        |
| HD34  | 1 1/16" " " " "                             | 0010  | Electricians', 10" blade                       |
| HD36  | 1 1/8" " " " "                              | E03   | Electricians' (Neon Tube)                      |
| HD40  | 1 1/4" " " " "                              | SO1   | Adjusting, 1 3/4" blade                        |
| HD44  | 1 3/8" " " " "                              | SO4   | Square Shank, 4" blade                         |
| HD46  | 1 7/16" " " " "                             | 06    | Round Shank, 6" "                              |
| HD48  | 1 1/2" " " " "                              | 08    | Round Shank, 8" "                              |
| HD52  | 1 5/8" " " " "                              | SO12  | Square Shank, 12" "                            |
| 4258  | 1 13/16" Hexagon Socket                     |       | MISCELLANEOUS                                  |
| 4264  | 2" " " " "                                  | 2591  | Stud Wrench, 5/16" to 3/4"                     |
| 4265  | Reversible Ratchet, 20" long                | 2881  | Starter and Manifold Wrench                    |
| 4287  | Sliding "T" Handle, 20" long                | K8    | 8" Handy Holding Tool                          |
| 4290  | Extension, 8 1/2" long                      | K52   | Ignition Feeler Gauge                          |
| 4291  | Extension, 17" long                         | K53   | Universal Master Feeler Gauge                  |
|       | BOX WRENCHES                                | 2628  | Adjustable Hack Saw Frame with No. F1018 blade |
| E40   | 3/16" & 13/64" Extra-Small, Hexagon Opening |       |  |
| E42   | 7/32" & 15/64" " " " "                      |       |  |
| E44   | 1/4" & 9/32" " " Dble. Hex. Open.           |       |  |

Net weight 128 lbs.



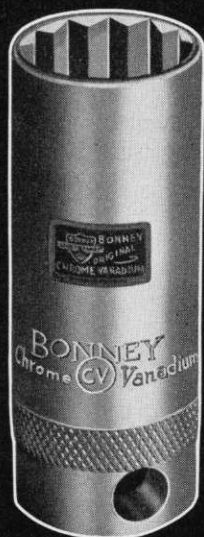


*The Finest that  
Money Can Buy*

## 'CV' Chrome-Vanadium EXTRA-DEEP SOCKETS

1/2 inch Square Drive

*Chromium Plated*



**B**ONNEY Extra-Deep Sockets find many applications in automotive service work, but are especially suitable for removing and replacing spark plugs. Their overall length, 3 1/4 inches, and the exceptional depth of their openings, give them an added advantage over ordinary

sockets of similar type.

They are made of Bonney 'CV' Chrome-Vanadium Steel, are carefully heat-treated, heavily chrome plated and polished to a high permanent lustre. They are designed with 1/2" square drive and have hole for use with No. 4092 Cross Handle.

| No.   | Openings | Length | Diameter |
|-------|----------|--------|----------|
| LD16  | 1/2      | 3 1/4  | 3/4      |
| LD18  | 9/16     | 3 1/4  | 13/16    |
| LD20  | 5/8      | 3 1/4  | 7/8      |
| LD22  | 11/16    | 3 1/4  | 15/16    |
| LD24  | 3/4      | 3 1/4  | 1 1/32   |
| LD25  | 25/32    | 3 1/4  | 1 1/16   |
| LD26T | 13/16    | 3 1/4  | 1 1/16   |
| LD28  | 7/8      | 3 1/4  | 1 3/16   |
| LD28T | 7/8      | 3 1/4  | 1 3/32   |
| LD30  | 15/16    | 3 1/4  | 1 1/4    |
| LD32  | 1        | 3 1/4  | 1 3/8    |
| LD32T | 1        | 3 1/4  | 1 9/32   |
| LD34  | 1 1/16   | 3 1/4  | 1 7/16   |
| LD36  | 1 1/8    | 3 1/4  | 1 1/2    |

### No. LD1 Spark Plug Set

The Bonney No. LD1 Spark Plug Set contains the six sockets which will remove and replace spark plugs in practically all makes of cars and trucks. One each of the following sockets are included:

Nos. LD20  
LD22

Nos. LD26T  
LD28T

Nos. LD30  
LD32

All are made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and polished. They may be used with any 1/2" square drive handle or attachment and have holes drilled in them for use with No. 4092 Cross Handle. They are packed in a convenient cardboard box.



### Chart of Spark Plug Sockets for Passenger Cars

| Make              | 1938  | 1939      | 1940      | 1941      | Make              | 1938      | 1939      | 1940      | 1941      |
|-------------------|-------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------|
| American Bantam.. | LD26T | LD26T     | LD26T     | LD26T     | Lincoln Zephyr... | LD26T     | LD26T     | LD26T     | LD26T     |
| Buick.....        | LD26T | LD26T     | LD26T     | 10MM Plug | Mercury.....      | LD26T     | LD26T     | LD26T     | LD26T     |
| Cadillac.....     | LD26T | 10MM Plug | 10MM Plug | 10MM Plug | Nash.....         | LD26T     | LD26T     | LD26T     | LD26T     |
| Chevrolet.....    | LD26T | LD26T     | LD26T     | 10MM Plug | Oldsmobile.....   | LD26T     | LD26T     | LD26T     | LD26T     |
| Chrysler.....     | LD26T | LD26T     | LD26T     | LD26T     | Overland.....     | LD26T     | LD26T     | LD26T     | LD26T     |
| Crosley.....      | LD26T | LD26T     | LD26T     | LD26T     | Packard.....      | 10MM Plug | 10MM Plug | 10MM Plug | 10MM Plug |
| DeSoto.....       | LD26T | LD26T     | LD26T     | LD26T     | Pierce-Arrow..... | LD26T     | LD26T     | LD26T     | LD26T     |
| Dodge.....        | LD26T | LD26T     | LD26T     | LD26T     | Plymouth.....     | LD26T     | LD26T     | LD26T     | LD26T     |
| Ford.....         | LD26T | LD26T     | LD26T     | LD26T     | Pontiac.....      | LD26T     | LD26T     | LD26T     | LD26T     |
| Graham.....       | LD26T | LD26T     | LD26T     | LD26T     | Studebaker—       | LD26T     | LD26T     | LD26T     | LD26T     |
| Hudson.....       | LD26T | LD26T     | LD26T     | LD26T     | Champion.....     | LD26T     | LD26T     | LD26T     | LD26T     |
| Hupmobile.....    | LD28  | LD28      | LD28      | LD28      | Studebaker—       | LD28      | LD28      | LD28      | LD28      |
| Lafayette.....    | LD28  | LD28      | LD28      | LD28      | Com. & Pres....   | LD28      | LD28      | LD28      | LD28      |
| LaSalle.....      | LD26T | 10MM Plug | 10MM Plug | 10MM Plug | Terraplane.....   | LD26T     | LD26T     | LD26T     | LD26T     |
| Lincoln.....      | LD28  | LD26T     | LD26T     | LD26T     | Willis.....       | LD28      | LD28      | LD26T     | LD26T     |

### Sockets for 10MM Plugs

| Make Plug | Socket No. | Make Plug       | Socket No. |
|-----------|------------|-----------------|------------|
| A C       | LD20       | Bowes Seal Fast | LD22       |
| Autolite  | LD22       | Champion        | LD22       |



*The Finest that  
Money Can Buy*

## BONNEY ROLLER CABINETS

**N**O more hunting for lost tools . . . no more lugging tool kits from one job to another . . . Bonney Roller Cabinets keep all your tools in one place all the time . . . and you roll them on the job and off when finished. Bonney Roller Cabinets are made of heavy gauge sheet metal attractively finished in "crackle" tan enamel. They have

rounded edges and are mounted on rubber-tired casters for noiseless, easy movement.

Two styles of Roller Cabinets are available to take your present tool kit or to take the Bonney Sets in metal cabinets mentioned below.

### No. C Roller Cabinet

The top of the No. C cabinet is the correct size to hold the No. BB1 Bonney Set shown on page 26, or the No. MC1 Bonney Set shown on page 27. The No. C Roller Cabinet is 24" long, 12" wide, 27" high. It is equipped with center shelf, single door, door lock with key and silent casters.

Net Weight 40 lbs.



### No. CC Roller Cabinet

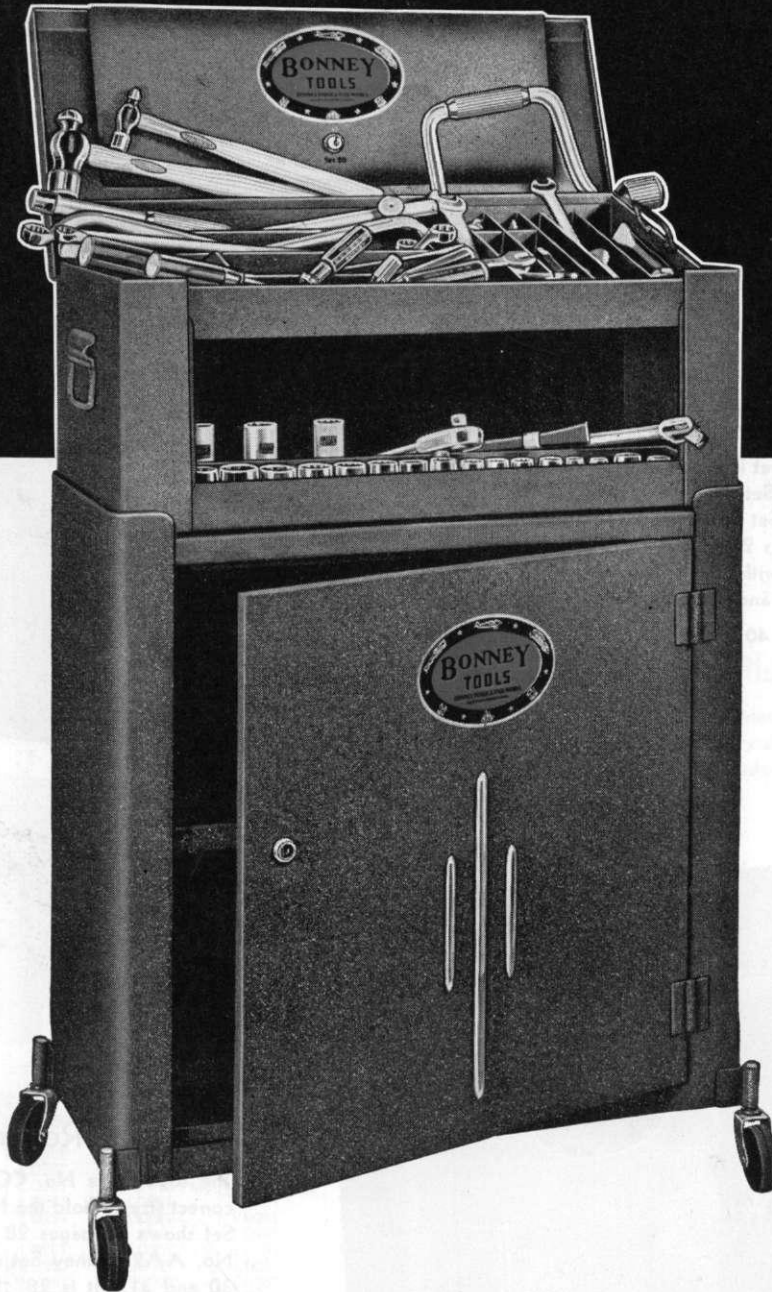
The top of the No. CC Cabinet is the correct size to hold the No. AB Bonney Set shown on pages 28 and 29, or the No. AA2 Bonney Set shown on pages 30 and 31. It is 28" long, 13" wide and 27" high. Equipped with center shelf, double doors, door lock with key and silent casters.

Net Weight 50 lbs.

*The Finest that Money Can Buy*



## NO. "C" ROLLER CABINET WITH BONNEY TOOL SETS



**E**QUIPPED with either No. BB1 or MC1 Bonney Set, the C Roller Cabinet makes a fine workshop on wheels. It's convenient to move about in the shop—take right to the job. It eliminates the necessity of running back and forth to the bench for needed tools.

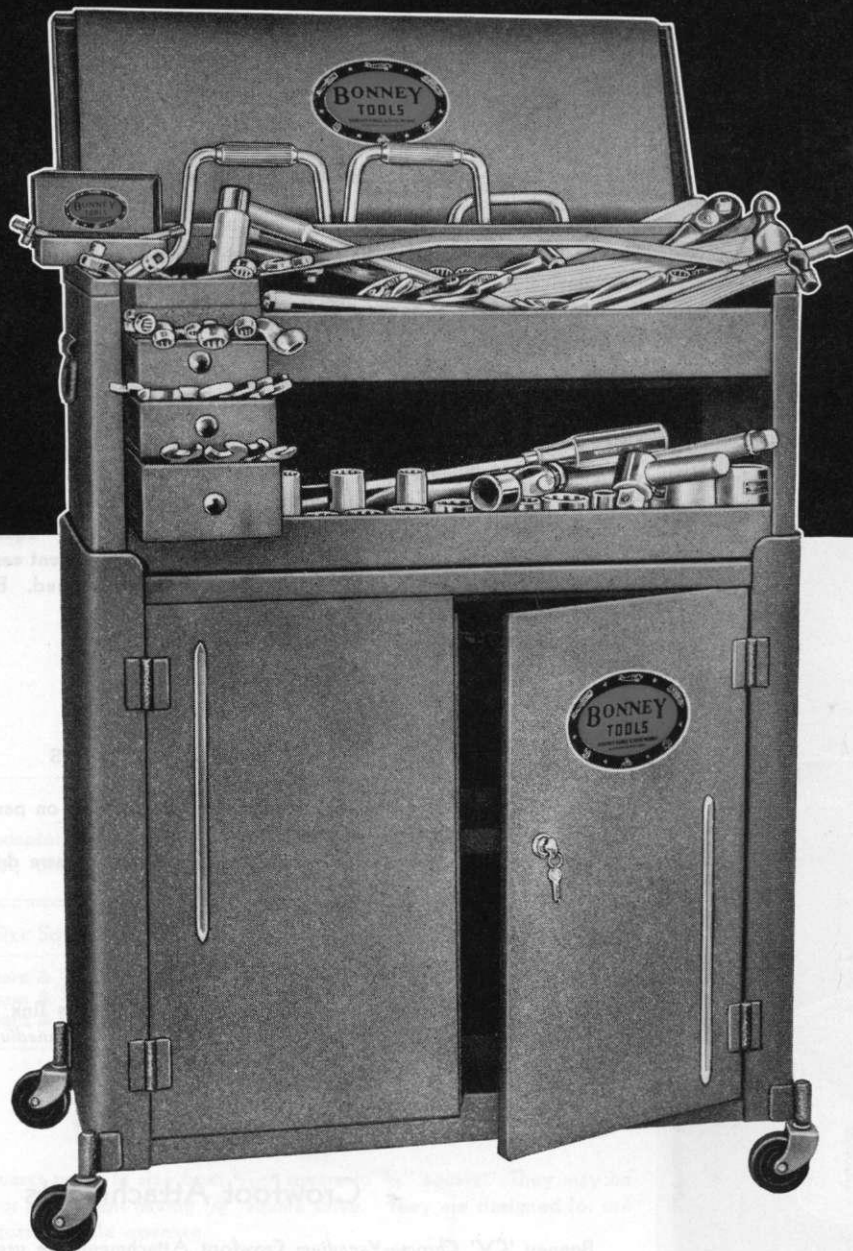
The convenient center shelf makes it possible to store parts for the job and keep them safely under lock and key until needed. Illustrated is the No. C Cabinet with the No. BB1 Set shown on page 26. The No. C Cabinet can also be furnished with the No. MC1 Set shown on page 27.





*The Finest that Money Can Buy*

## NO. "CC" ROLLER CABINET WITH BONNEY TOOL SETS



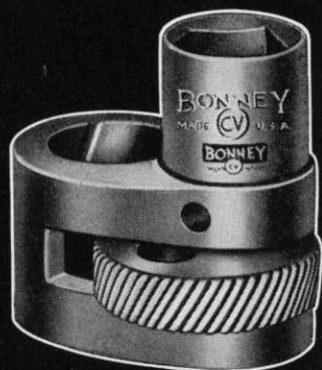
**W**ITH the No. CC Cabinet and the No. AA 2 Set illustrated, a mechanic has a most complete set—one which will care for practically any job encountered. The cabinet makes it easy to roll the set about the shop . . . take it right up to the

job . . . easily and quickly. Rubber tired casters make it possible to do this without noise.

The No. CC Cabinet can also be supplied with the No. AB Set shown on pages 28 and 29.



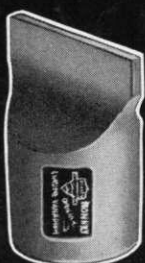
*The Finest that  
Money Can Buy*



Stud Wrench



Connecting Rod Socket for Ford V8



Drag Link Socket



No. 2866 to No. 2874

## 'CV' Chrome-Vanadium SPECIAL SOCKETS

$\frac{1}{2}$  inch Square Drive

*Chromium Plated*

### Stud Wrench

No. 2591—Made for use with  $\frac{1}{2}$ " square drive handles and attachments, this stud wrench is found indispensable by mechanics for removing and setting studs. Designed to take studs from  $\frac{5}{16}$ " to  $\frac{3}{4}$ " in diameter, it has an eccentrically mounted roller with a deeply milled edge which provides a non-slipping, non-burring, gripping device.

Made entirely of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and polished.

### Connecting Rod Socket For Ford V8

No. F18—A special socket for adjusting Ford V8 connecting rod bearing cap nuts. It has a  $\frac{9}{16}$ " hexagon opening and is equipped for  $\frac{1}{2}$ " square drive.

The nose of the socket is very thin to make this adjustment easily. Made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and polished. Because of the thin wall construction of this socket, it cannot be guaranteed.

### Drag Link Sockets

No. 4001—A drag link socket suitable for adjustments on passenger cars. Made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated.

Blade is  $\frac{15}{16}$ " wide and socket is for use with  $\frac{1}{2}$ " square drive handles.

No. 4002—This drag link socket is designed for drag link adjustments on trucks. Width of blade  $1\frac{1}{4}$ ". Made of Bonney 'CV' Chrome-Vanadium Steel, chrome plated and designed for use with  $\frac{1}{2}$ " square drive handles.

### Crowfoot Attachments

Bonney 'CV' Chrome-Vanadium Crowfoot Attachments are useful in making adjustments in "hard-to-get-at" places. Equipped with standard  $\frac{1}{2}$ " square drive.

| No.  | Openings                       |
|------|--------------------------------|
| 2866 | $\frac{1}{2}$ " Double Hexagon |
| 2868 | $\frac{9}{16}$ " " "           |
| 2870 | $\frac{5}{8}$ " " "            |
| 2872 | $1\frac{1}{16}$ " " "          |
| 2874 | $\frac{3}{4}$ " " "            |

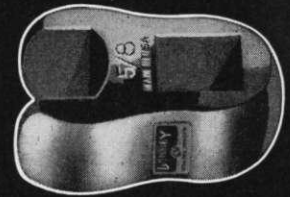


## Special Crowfoot Open-End Attachments

*The Finest that Money Can Buy*

**B**ONNEY Special Crowfoot Open-end Attachments are made of 'CV' Chrome-Vanadium Steel, chrome plated and buffed to a high, permanent lustre. Designed for use with handles having  $\frac{1}{2}$ " square drive.

| No.   | Openings                  | No.   | Openings                   |
|-------|---------------------------|-------|----------------------------|
| 6603C | $\frac{1}{2}$ " Open End  | 6603B | $\frac{11}{16}$ " Open End |
| 6603D | $\frac{7}{16}$ " Open End | 6606  | $\frac{3}{4}$ " Open End   |
| 6603A | $\frac{9}{16}$ " Open End | 6606A | $\frac{13}{16}$ " Open End |
| 6603  | $\frac{5}{8}$ " Open End  | 6606B | $\frac{7}{8}$ " Open End   |



No. 6603 Series

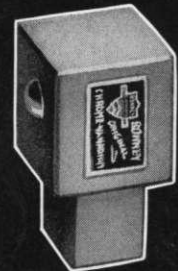
## Adaptors

This series of Bonney 'CV' Chrome-Vanadium Steel Adaptors is designed with square female openings. All have square male drive and are fully chrome plated.

| Number | Openings                   |                          |
|--------|----------------------------|--------------------------|
|        | Handle End                 | Socket End               |
| 4296   | $\frac{5}{8}$ " sq. female | $\frac{3}{4}$ " sq. male |
| 4297   | $\frac{3}{4}$ " sq. female | $\frac{5}{8}$ " sq. male |
| 4298   | $\frac{1}{2}$ " sq. female | $\frac{3}{4}$ " sq. male |
| 4299   | $\frac{3}{4}$ " sq. female | $\frac{1}{2}$ " sq. male |
| 4204   | $\frac{3}{4}$ " sq. female | $\frac{7}{8}$ " sq. male |
| 4206   | $\frac{1}{2}$ " sq. female | $\frac{3}{8}$ " sq. male |
| 4208   | $\frac{1}{2}$ " sq. female | $\frac{5}{8}$ " sq. male |
| 4209   | $\frac{5}{8}$ " sq. female | $\frac{1}{2}$ " sq. male |
| 4210   | $\frac{7}{8}$ " sq. female | $\frac{3}{4}$ " sq. male |
| 4211   | $\frac{3}{4}$ " sq. female | $\frac{1}{2}$ " sq. male |
| 4213   | $\frac{1}{2}$ " sq. female | $\frac{3}{4}$ " sq. male |
| 4215   | $\frac{3}{8}$ " sq. female | $\frac{1}{2}$ " sq. male |



No. 4296 Series



No. 4201 Series

The No. 4201 series adaptors are designed for use with ratchet handles. Made of 'CV' Chrome-Vanadium Steel, chrome plated.

| No.  | Size Squares                                    | No.  | Size Squares                                    |
|------|---|------|---|
| 4201 | $\frac{1}{2}$ " Square & $\frac{5}{8}$ " Square | 4207 | $\frac{3}{8}$ " Square & $\frac{1}{2}$ " Square |
| 4202 | $\frac{1}{2}$ " Square & $\frac{3}{4}$ " Square | 4212 | $\frac{3}{4}$ " Square & 1" Square              |
| 4203 | $\frac{3}{4}$ " Square & $\frac{7}{8}$ " Square |      |   |

## Drain Plug Squares

Bonney Drain Plug Squares range in size from  $\frac{5}{16}$ " square to  $\frac{3}{4}$ " square. They may be used with any handle or attachment having  $\frac{1}{2}$ " square drive. They are designed for use on drain plugs with square female opening.

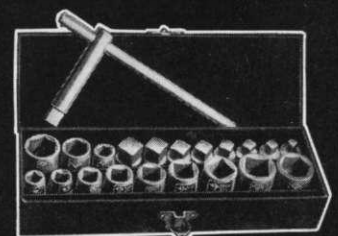
| Number | Size             | Number | Size              |
|--------|------------------|--------|-------------------|
| P10    | $\frac{5}{16}$ " | P18    | $\frac{9}{16}$ "  |
| P12    | $\frac{3}{8}$ "  | P20    | $\frac{5}{8}$ "   |
| P14    | $\frac{7}{16}$ " | P22    | $\frac{11}{16}$ " |
| P16    | $\frac{1}{2}$ "  | P24    | $\frac{3}{4}$ "   |

The No. K Drain Plug Set consists of 8 Drain Plug Squares, 12 sockets and a "T" Handle with  $\frac{1}{2}$ " square drive. The K Set will remove or replace drain plugs on the crank case, transmission and differential housing of most cars. Packed complete in strong metal box measuring  $10\frac{3}{4}$ " x  $3\frac{5}{8}$ " x  $1\frac{5}{8}$ ".

Net Weight  $7\frac{1}{4}$  lbs.



Drain Plug Squares



No. K Set

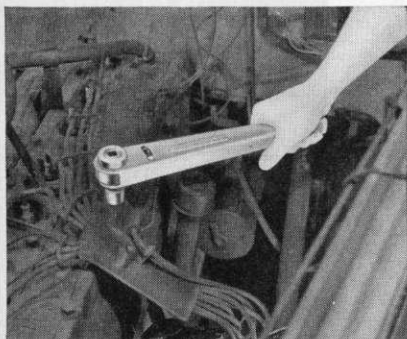


*The Finest that Money Can Buy*

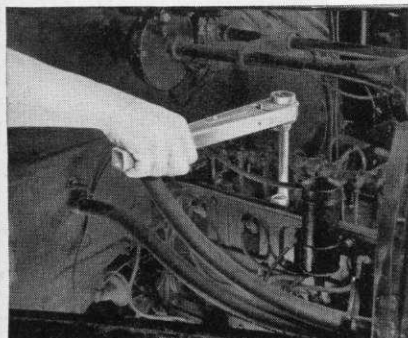
NO. 66 BONNEY

TORQUE-INDICATING WRENCH

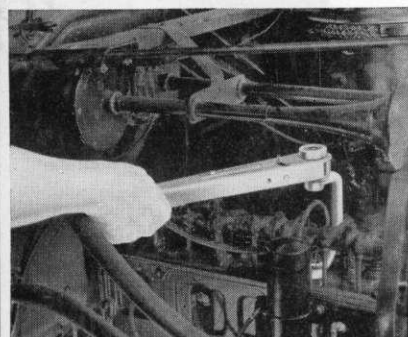
No other Torque Wrench like it!



Equipped with standard  $\frac{1}{2}$  inch square drive lug, the No. 66 Wrench can be used with any  $\frac{1}{2}$  inch square drive socket. The view above shows how easily cylinder head bolts may be tightened uniformly according to manufacturers specifications.



The above illustration shows the No. 66 Wrench being used with the No. 2613 close sweep Box Wrench Attachment in tightening all Chevrolet cylinder head bolts except the center one.



The center cylinder head bolt on Chevrolet engines is particularly difficult to reach because of rocker arm assembly and oil feed line. The No. 66 Wrench with the No. 2614 wide sweep Box Wrench Attachment makes it possible to tighten this bolt uniformly with all other cylinder head bolts.

**E**LEVEN outstanding features make this wrench the best buy in a torque-indicating wrench for any mechanic.

1. The No. 66 Bonney Torque Wrench has ratchet mechanism that is reversible.
2. It has no dials or gauges to get out of order or be damaged by careless handling.
3. Positive pre-setting of wrench eliminates all chances of error.
4. Three methods of telling when desired torque is reached—
  - (a) Red ratchet lever snaps to center.
  - (b) A sharp "click" is heard.
  - (c) Ratchet mechanism locks.
5. The No. 66 Bonney Torque Wrench is safe to use. The ratchet mechanism locks when the desired torque is reached—it does not allow the handle to swing free, thus preventing smashed fingers for the user.
6. Small head permits use in normally inaccessible places. Not necessary to watch a dial or gauge to tell when desired torque has been reached. No chance of error in reading dial or gauge.
7. Calibrated on a "dead weight" tester. Accuracy of the wrench is greater than consistent performance of bolts on which wrench is used.
8. All working parts carefully hardened, providing long life for wrench.
9. Fastest torque wrench on the market because of ratchet and absence of dials and gauges.  
(Wrench is set before starting job and work is done rapidly without slowing down to watch a dial.)
10. Wide range—25 to 125 foot pounds.
11. Has no coil springs.

### Pre-set for Accuracy . . . No Dials or Gauges Simple to Operate . . . Positive in Results

The No. 66 Bonney Torque Wrench is extremely simple to operate. All that is necessary is—

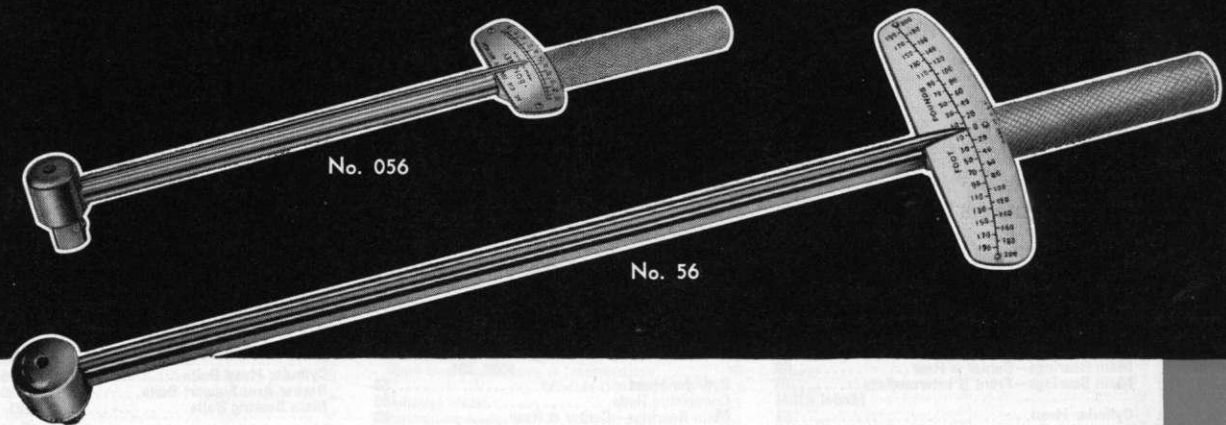
1. Set indicator at desired torque (foot pounds). To do this loosen indicator clamping screw slightly, move the indicator to desired position on scale and then tighten screw firmly.
2. Move ratchet lever (red reversing lever) to position at extreme left of wrench.
3. Operate wrench just as any ratchet wrench until the ratchet lever snaps over to the neutral position in center—then stop wrenching. There is a sharp "click" and the ratchet locks as a further signal that this point has been reached.
4. To tighten the next bolt or nut, simply move the ratchet lever back to position at the left of the wrench and repeat. The indicator is not moved except when a change of torque is desired.

You'll like the No. 66 Bonney Torque-Indicating Wrench. It's the simplest, strongest, sturdiest torque wrench on the market. Suitable for use with all  $\frac{1}{2}$  inch square drive sockets and attachments. The No. 66 Bonney Torque-Indicating Wrench has the factory approval of Chevrolet, Buick, Oldsmobile, Pontiac, Cadillac, Hudson, Packard, Graham-Paige and G. M. C. Trucks. Length 17 inches overall. Net Weight  $4\frac{1}{4}$  lbs.

# BONNEY TORQUE INDICATING WRENCHES



*The Finest that Money Can Buy*



**T**HE No. 056 and No. 56 Bonney Torque-Indicating Wrenches are sturdily constructed with a heavy, ground, spring-steel shaft with pointer which remains rigid. The scale is conveniently placed near the handle grip and is accurately calibrated in foot pounds of tension. These wrenches are permanently adjusted, light in weight and of rugged construction, with no moving parts to get out of order. The extremely small head with which they are equipped permits their use in places normally inaccessible with other types of torque wrenches.

Both the No. 056 and the No. 56 Wrenches are permanently equipped with  $\frac{1}{2}$ " square adaptor and can be used

with all  $\frac{1}{2}$ " square drive sockets and attachments.

While the No. 056 Wrench is especially designed for spark plug adjustments, because of the extremely small head and short handle, it can be used in places, within its capacity, normally inaccessible to other torque wrenches.

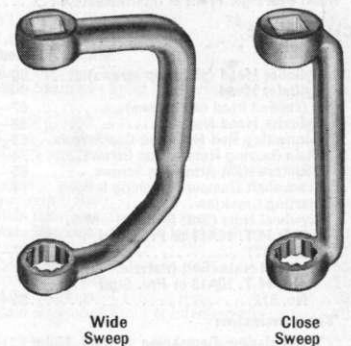
Both wrenches are fully chrome plated and highly polished and have knurled handle grip.

| No. | Capacity          | Length             | Weight |
|-----|-------------------|--------------------|--------|
| 056 | 0 to 50 ft. lbs.  | 12 $\frac{5}{8}$ " | 1 lb.  |
| 56  | 0 to 200 ft. lbs. | 23"                | 3 lbs. |

## Bonney Box Wrench Attachments for use with No. 56 and No. 66 Torque-Indicating Wrenches

Designed especially for drawing up cylinder head stud nuts on overhead valve motors with torque-indicating wrenches. These box wrench attachments are drop forged of Bonaloy Steel with plated finish. They have double hexagon box wrench openings and  $\frac{1}{2}$ " square drive for use with Nos. 56 and 66 Bonney Torque-Indicating Wrenches and all other torque-indicating wrenches having  $\frac{1}{2}$ " square drive.

| No.   | Double Hexagon Opening and Sweep |
|-------|----------------------------------|
| 2613  | $\frac{3}{4}$ " close sweep      |
| 2614  | $\frac{3}{4}$ " wide sweep       |
| 2615A | 1 $\frac{1}{16}$ " close sweep   |
| 2615  | $\frac{5}{8}$ " close sweep      |
| 2616  | $\frac{5}{8}$ " wide sweep       |



## Tensions in Foot Pounds Recommended for Spark Plugs

| Plug Thread        | Cast Iron Head | Aluminum Head |
|--------------------|----------------|---------------|
| 10MM               | 14             | 12            |
| 14MM               | 30             | 28            |
| 18MM               | 34             | 32            |
| $\frac{7}{8}$ "-18 | 37             | 35            |





*The Finest that  
Money Can Buy*

When Tightened with Bonney Torque-Indicating Wrenches . . . All Tension Specifications are in Foot Pounds

#### AUBURN All Models

Cylinder Head . . . . . 49-53

#### AUTOCAR TRUCKS Models A, UA, B, UB

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

#### BROWN COACH BUSES Model A24H

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

#### Model A28H

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 105

#### BUICK

Cylinder Head Bolts & Studs (all series) . . . . . 65-70  
Connecting Rod Bolts (series 40, 50) . . . . . 45-50  
Connecting Rod Bolts (series 60, 70, 80, 90) . . . . . 115-120  
Rocker Arm Cap Screws (all series) . . . . . 30-35

#### CADILLAC V8 and V18

Cylinder Head Bolts . . . . . 70-75  
Connecting Rod Bolts . . . . . 55-60  
Spark Plugs . . . . . 7-10  
Manifold Bolts . . . . . 25-30

#### CHEVROLET CARS AND TRUCKS

All Models except Diesel

Cylinder Head Bolts . . . . . 75-80  
Rocker Arm Support Bolts . . . . . 25-30  
Main Bearing Bolts . . . . . 103-109  
Front Wheel Bearings . . . . . Pull up to 33 ft. lbs. and then back off to first cotter pin hole.

#### CHEVROLET TRUCKS

Diesel Models TD155L, TD155H, BD183

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings, Center & Rear . . . . . 60  
Main Bearings, Front & Intermediate . . . . . 70

#### CHRYSLER

Engine All Models

Cylinder Head (plain cap screws) . . . . . 65-70  
Cylinder Head (cupped head cap screws) . . . . . 67-72  
Cylinder Head Nuts . . . . . 52-57  
Connecting Rod Nuts and Cap Screws . . . . . 53-58  
Main Bearing Nuts & Cap Screws . . . . . 74-80  
Counterweight Attaching Screws . . . . . 65-70  
Crankshaft Damper Attaching Screws . . . . . 14-18  
Starting Crankjaw . . . . . 109  
Flywheel Nuts (Bolt Material—M.S. 387; H.T. 10A11 or Pro. Stud No. 517) . . . . . 47-58  
Flywheel Nuts (Bolt Material—M.S. 410; H.T. 10A13 or Pro. Stud No. 512) . . . . . 54-60

#### Transmission

Transmission Companion Flange Nuts (with flange washers with protruding sections to fit in clearance space between main shaft and flange) . . . . . 98-105

#### Chassis

Wheel Hub Nuts . . . . . 58-67  
Wheel Driving Stud Nuts . . . . . 58-67  
Propeller Shaft Flange Nuts . . . . . 33-39

#### CLYDESDALE TRUCKS Model 300

Cylinder Head . . . . . 105  
Diesel Models 40-D, 70-D  
Cylinder Head . . . . . 158  
Connecting Rods . . . . . 140  
Main Bearings, Center & Rear . . . . . 77  
Main Bearings, Front & Intermediate . . . . . 95  
Model 125D  
Cylinder Head 5/8" . . . . . 175

#### CORBITT TRUCKS Models 50SD6, 54SD6

Cylinder Head . . . . . 105

#### CORD

Cylinder Head (aluminum and cast iron) . . . . . 49-53

#### DART TRUCKS Models 30G, 40G, 50G, 1000

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings, Center & Rear . . . . . 60  
Main Bearings, Front & Intermediate . . . . . 70  
Models 50G Spec., 60G, 70DR, 1500, 251

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 105

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 105  
Main Bearings—Front & Intermediate . . . . . 123

#### DE SOTO

(see Chrysler)

#### DIAMOND T TRUCKS Models 80, 301, 304

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 39  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70  
Models 221S, 212AS, 212BS, 401, 402, 404, 405, 507, 509, 244S, 313, 611, 320, 353, 607, 613, 360, 609, 612, 614

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 70  
Main Bearings—Front & Intermediate . . . . . 105  
Diesel Models D20, D30

Cylinder Head . . . . . 158  
Connecting Rods . . . . . 140  
Main Bearings—Center & Rear . . . . . 77  
Main Bearings—Front & Intermediate . . . . . 95

#### DITTMAR BUS

Model BC-25P

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

Model C-25P

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 105

#### DODGE CARS

(see Chrysler)

#### DODGE TRUCKS All Models except Diesel

(see Chrysler) Model RZ-65  
Cylinder Head . . . . . 158  
Connecting Rods . . . . . 140  
Main Bearings—Center & Rear . . . . . 77  
Main Bearings—Front & Intermediate . . . . . 95

#### FARGO

All Models except Diesel

(see Dodge) Model FGZ6  
Cylinder Head . . . . . 158  
Connecting Rods . . . . . 140  
Main Bearings—Center & Rear . . . . . 77  
Main Bearings—Front & Intermediate . . . . . 95

#### FEDERAL TRUCKS

Model 10

Cylinder Head . . . . . 53  
Connecting Rod . . . . . 53  
Main Bearings . . . . . 105  
Models 11, 11H  
Cylinder Head . . . . . 53  
Connecting Rod . . . . . 39

Main Bearings—Center & Rear . . . . . 60

Main Bearings—Front & Intermediate . . . . . 70  
Models 15, 15H, 75, 75H, 18, 18H, 20, 20H, 80, 80H, 25, 25H, 85, 85H, 29, 29H, 89, 89H, 202, 204, 252, 254, 292, 294, 802, 852, 892

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

#### FLEXIBLE BUSES

All Models

Cylinder Head Bolts . . . . . 65-70  
Rocker Arm Support Bolts . . . . . 28-30  
Main Bearing Bolts . . . . . 103-109

#### FORD

Cylinder Head—V8 60HP . . . . . 30  
Cylinder Head—V8 85HP . . . . . 50  
Cylinder Head—Models A, B . . . . . 50

#### FWD TRUCKS

Models M10, T72

Cylinder Head . . . . . 105

#### GENERAL MOTOR TRUCKS

Model Engine

Cylinder Head . . . . . 707, 479, 529 . . . . . 88-95  
Cylinder Head . . . . . 331, 400, 450 . . . . . 60-67  
Cylinder Head . . . . . 239, 257, 286 . . . . . 56-63

#### GRAHAM

Cylinder Head (Aluminum) . . . . . 39-42  
Cylinder Head (Cast Iron) . . . . . 55-60

#### GRAMM TRUCKS

Models 15A, 25A

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 39  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70  
Models 30A, 40A, 45A, 50A, 55A, 70A, 75A, 85A

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

Diesel Models DJX40A, DJX55A, DJX70A, DJX75A, DJX85A

Cylinder Head . . . . . 158  
Connecting Rods . . . . . 140  
Main Bearings—Center & Rear . . . . . 77  
Main Bearings—Front & Intermediate . . . . . 95

Model GF  
Cylinder Head . . . . . 105

#### HERCULES MOTORS

Series IX, NX

Cylinder Head . . . . . 42  
Connecting Rods . . . . . 42  
Main Bearings . . . . . 77

Series ZX

Cylinder Head . . . . . 42  
Connecting Rods . . . . . 23  
Main Bearings . . . . . 77

Series 00

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings . . . . . 105

Series OX

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 39  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

Series JX

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 53  
Main Bearings—Center & Rear . . . . . 60  
Main Bearings—Front & Intermediate . . . . . 70

Series WX

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 70  
Main Bearings—Front & Intermediate . . . . . 105

Series YX, RX

Cylinder Head . . . . . 53  
Connecting Rods . . . . . 105  
Main Bearings—Center & Rear . . . . . 105  
Main Bearings—Front & Intermediate . . . . . 123





*The Finest that  
Money Can Buy*

|                                    |                 |
|------------------------------------|-----------------|
|                                    | Series RXL      |
| Cylinder Head                      | 74              |
| Connecting Rods                    | 158             |
| Main Bearings (all)                | 175             |
|                                    | Series RX       |
| Cylinder Head                      | 105             |
|                                    | Series DOO, DJX |
| Cylinder Head                      | 158             |
| Connecting Rods                    | 140             |
| Main Bearings—Center & Rear        | 77              |
| Main Bearings—Front & Intermediate | 95              |
|                                    | Series DRX      |
| Cylinder Head 5/8"                 | 175             |
| Connecting Rods                    | 158             |
| Main Bearings (all)                | 175             |
|                                    | Series D1X      |
| Cylinder Head 1 1/16"              | 175             |

#### HUDSON

|                              |       |
|------------------------------|-------|
| Cylinder Head (6 cylinder)   | 45    |
| Cylinder Head (8 cylinder)   | 54    |
| Connecting Rods (all models) | 51-54 |
| Main Bearings (all models)   | 83-93 |

#### INDIANA TRUCKS and BUSES

|                                     |  |
|-------------------------------------|--|
|                                     | Models 86, 87, 12X4<br>14X4, 14B, 12SB |
| Cylinder Head                       | 53                                     |
| Connecting Rods                     | 53                                     |
| Main Bearings—Center & Rear         | 60                                     |
| Main Bearings—Front & Intermediate  | 70                                     |
|                                     | Models 16X6, 18X6                      |
| Cylinder Head                       | 53                                     |
| Connecting Rods                     | 105                                    |
| Main Bearings, Center & Rear        | 105                                    |
| Main Bearings, Front & Intermediate | 123                                    |
|                                     | Models 20X6, 22X6                      |
| Cylinder Head                       | 105                                    |
|                                     | Model 16                               |
| Cylinder Head                       | 53                                     |
| Connecting Rods                     | 105                                    |
| Main Bearings—Center & Rear         | 60                                     |
| Main Bearings—Front & Intermediate  | 105                                    |

#### INTERNATIONAL TRUCKS (IHC)

|                            |    |
|----------------------------|----|
| Connecting Rod Bolts 7/16" | 56 |
| Cylinder Head Studs 1/2"   | 67 |
| Cylinder Head Studs 5/8"   | 93 |
| Main Bearing Studs 1/2"    | 75 |
| Main Bearing Studs 5/8"    | 75 |
| Main Bearing Studs 3/4"    | 93 |

#### KENWORTH TRUCKS & BUSES

|                                    |                       |
|------------------------------------|-----------------------|
|                                    | Models 536, 537, RE 1 |
| Cylinder Head                      | 53                    |
| Connecting Rods                    | 53                    |
| Main Bearings—Center & Rear        | 60                    |
| Main Bearings—Front & Intermediate | 70                    |
|                                    | Model C-24            |
| Cylinder Head                      | 53                    |
| Connecting Rods                    | 105                   |
| Main Bearings—Center & Rear        | 60                    |
| Main Bearings—Front & Intermediate | 105                   |

#### KERMATH ENGINES

|               |   |
|---------------|---|
|               | Models ZXB, 1XB                             |
| Cylinder Head | 32  |
|               | Models OCB, OOC, JXC, JXD,<br>QXB, QXC, WXC |
| Cylinder Head | 60  |
|               | Model V8-H                                  |
| Cylinder Head | 39  |
|               | Model V8-L                                  |
| Cylinder Head | 46  |
|               | Models D, G, L, R, V                        |
| Cylinder Head | 91  |
|               | Model F                                     |
| Cylinder Head | 67  |

#### LA SALLE

|                                 |       |
|---------------------------------|-------|
| Cylinder Head (1940 models)     | 70-75 |
| Cylinder Head (previous models) | 55-60 |
| Connecting Rods (all models)    | 55-60 |
| Spark Plugs                     | 7-10  |
| Manifold Bolts                  | 25-30 |

#### LYCOMING ENGINES

|               |  |
|---------------|--|
|               | Models BB, FB, FC, GG, GH, WF,<br>GFD, BF, UH, UHB, UHBD,<br>UHD, UJ and UJD |
| Cylinder Head | 49-53  |
|               | Models AFE, AEF, ASE, UEB,<br>UEBD   |
| Cylinder Head | 53-56  |
|               | Models UEE, UAED, D, UHET  |
| Cylinder Head | 63-70  |
|               | Models UF, UFD and EUF   |
| Cylinder Head | 102-109  |

#### MACK TRUCKS and BUSES

|                     |                          |
|---------------------|--------------------------|
|                     | Model BG                 |
| Cylinder Head Studs | 96-102                   |
| Connecting Rods     | 57-63                    |
| Main Bearings       | 94-100                   |
|                     | Model CF                 |
| Cylinder Head Studs | 99-105                   |
| Connecting Rods     | 63-68                    |
| Main Bearings       | 94-100                   |
|                     | Model EO                 |
| Cylinder Head Studs | 99-105                   |
| Main Bearings       | 94-100                   |
|                     | Model ED                 |
| Cylinder Head Studs | 113-119                  |
|                     | Models EP, EY            |
| Cylinder Head Studs | 99-105                   |
|                     | Model 209                |
| Cylinder Head       | 170-175                  |
|                     | Models 228, 268, 309, EJ |
| Cylinder Head       | 180-185                  |
| Connecting Rods     | 190-200                  |
| Main Bearings       | 180-200                  |

#### LINCOLN ZEPHYR

|               |    |
|---------------|----|
| Cylinder Head | 40 |
|---------------|----|

#### MARMON-HERRINGTON

|                                    |  |
|------------------------------------|--|
|                                    | Models C10-4, C20-4, C30-4,<br>C20-6, C30-6              |
| Cylinder Head                      | 53   |
| Connecting Rods                    | 53   |
| Main Bearings—Center & Rear        | 60   |
| Main Bearings—Front & Intermediate | 70   |
|                                    | Models C40-4, C50-4, C30-3                               |
| Cylinder Head                      | 53   |
| Connecting Rods                    | 105  |
| Main Bearings—Center & Rear        | 60   |
| Main Bearings—Front & Intermediate | 105  |
|                                    | Models C55-4, 55DR4, C60-4<br>C70-4, C80-4, C60-6, C80-6 |
| Cylinder Head                      | 53   |
| Connecting Rods                    | 105  |
| Main Bearings—Center & Rear        | 105  |
| Main Bearings—Front & Intermediate | 123  |
|                                    | Models TH515-4, TH520-4<br>TH515-6, TH520-6              |
| Cylinder Head                      | 105  |
|                                    | Diesel Models CD20-4, CD30-4<br>CD20-6, CD30-6           |
| Cylinder Head                      | 158  |
| Connecting Rods                    | 140  |
| Main Bearings—Center & Rear        | 77   |
| Main Bearings—Front & Intermediate | 95   |
|                                    | Models CD55DR-4, CD70-4, CD80-4<br>CD55-6, CD80-6        |
| Cylinder Head, 5/8"                | 175  |
| Connecting Rods                    | 158  |
| Main Bearings (all)                | 175  |
|                                    | Models THD515-4, THD520-4,<br>TH515-6, THD520-6          |
| Cylinder Head 1 1/16"              | 175  |

#### MERCURY

|                |    |
|----------------|----|
| Cylinder Heads | 40 |
|----------------|----|

#### NASH

|                                    |       |
|------------------------------------|-------|
| Cylinder Head (LaFayette)          | 61-63 |
| Cylinder Head (Ambassador 6 and 8) | 65-70 |

#### OLDSMOBILE

|                              |            |
|------------------------------|------------|
|                              | All Models |
| Cylinder Head Bolts          | 65-70      |
| Front Support Bracket (3/4") | 40-45      |
| Flywheel Nuts                | 35-40      |
| Connecting Rod Bolts         | 30-35      |

#### OSHKOSH TRUCKS

|                                    |                                 |
|------------------------------------|---------------------------------|
|                                    | Models JCB, JD                  |
| Cylinder Head                      | 53                              |
| Connecting Rods                    | 53                              |
| Main Bearings—Center & Rear        | 60                              |
| Main Bearings—Front & Intermediate | 70                              |
|                                    | Models B3S, B3D                 |
| Cylinder Head                      | 53                              |
| Connecting Rods                    | 105                             |
| Main Bearings—Center & Rear        | 60                              |
| Main Bearings—Front & Intermediate | 105                             |
|                                    | Models C3S, C3D, FS, FC, FB, FD |
| Cylinder Heads                     | 53                              |
| Connecting Rods                    | 105                             |
| Main Bearings—Center & Rear        | 105                             |
| Main Bearings—Front & Intermediate | 123                             |
|                                    | Models BG3, GD36                |
| Cylinder Head                      | 105                             |

#### PACKARD

|               |                          |
|---------------|--------------------------|
|               | Models 110, 120, Super 8 |
| Cylinder Head | 61-63                    |

#### PLYMOUTH

(see Chrysler)

#### PONTIAC

|                                      |        |
|--------------------------------------|--------|
| Cylinder Head Bolts (all models)     | 60     |
| Connecting Rods (all models)         | 42-51  |
| Main Bearing Cap Screws (all models) | 91-102 |
| Crankshaft Bolts (8 cylinder)        | 51-58  |
| Crankshaft Bolts (6 cylinder)        | 60-68  |

#### SCHACHT TRUCKS

|                                    |   |
|------------------------------------|---|
|                                    | Models 8A, 10A, 12A, 15A,<br>18A, 20A, 115CU, 120CU |
| Cylinder Head                      | 53  |
| Connecting Rods                    | 53  |
| Main Bearings—Center & Rear        | 60  |
| Main Bearings—Front & Intermediate | 70  |
|                                    | Models 25A, 28A, 35A, 125CU,<br>128CU               |
| Cylinder Head                      | 53  |
| Connecting Rods                    | 105   |
| Main Bearings—Center & Rear        | 60  |
| Main Bearings—Front & Intermediate | 105   |
|                                    | Models 40A, 66A, TRA, TRCU                          |
| Cylinder Head                      | 53  |
| Connecting Rods                    | 105   |
| Main Bearings—Center & Rear        | 105   |
| Main Bearings—Front & Intermediate | 123   |

#### SPARK PLUGS

|         | Cast Iron<br>Head | Aluminum<br>Head |
|---------|-------------------|------------------|
| 10MM    | 14                | 12               |
| 14MM    | 30                | 28               |
| 18MM    | 34                | 32               |
| 7/8"-18 | 37                | 35               |

#### STUDEBAKER CARS

|                                |                      |
|--------------------------------|----------------------|
|                                | Champion             |
| Cylinder Head                  | 50-54                |
|                                | Dictator & President |
| Cylinder Head                  | 84                   |
| Connecting Rods                | 50                   |
| Main Bearings                  | 90                   |
| Crankshaft Counterweight Screw | 50                   |

#### STUDEBAKER TRUCKS & BUSES

|                                    |   |
|------------------------------------|---|
|                                    | Models K20, K20H, K20MB, K25,<br>K25M, K25MB, J20MB-87,<br>J25MB-87 |
| Cylinder Head                      | 53  |
| Connecting Rods                    | 53  |
| Main Bearings—Center & Rear        | 60  |
| Main Bearings—Front & Intermediate | 70  |
|                                    | Models K30, K30M  |
| Cylinder Head                      | 53  |
| Connecting Rods                    | 105   |
| Main Bearings—Center & Rear        | 70  |
| Main Bearings—Front & Intermediate | 105   |
|                                    | Models K5, K10, K15, K15M   |
| Cylinder Head Studs                | 88  |
| Cylinder Head Nuts                 | 67  |
| Connecting Rod Bolts               | 53  |
| Main Bearing Cap Screws            | 91  |
| Crankshaft Counterweight Screw     | 53  |
|                                    | Diesel Model K20D   |
| Cylinder Head                      | 158   |
| Connecting Rods                    | 140   |
| Main Bearings—Center & Rear        | 77  |
| Main Bearings—Front & Intermediate | 95  |

#### TWIN COACH BUSES

|                                    |                 |
|------------------------------------|-----------------|
|                                    | Models 40R, 37R |
| Cylinder Head                      | 53              |
| Connecting Rods                    | 105             |
| Main Bearings—Center & Rear        | 105             |
| Main Bearings—Front & Intermediate | 123             |
|                                    | Model 35R       |
| Cylinder Head                      | 74              |
| Connecting Rods                    | 158             |
| Main Bearings (all)                | 175             |
|                                    | Models 30R, 31R |
| Cylinder Head                      | 53              |
| Connecting Rods                    | 105             |
| Main Bearings—Center & Rear        | 60              |
| Main Bearings—Front & Intermediate | 105             |
|                                    | Model 23R       |
| Cylinder Head                      | 53              |
| Connecting Rods                    | 53              |
| Main Bearings—Center & Rear        | 60              |
| Main Bearings—Front & Intermediate | 70              |

#### WHITE TRUCKS and BUSES

|                                      |       |
|--------------------------------------|-------|
| Cylinder Head                        | 61-65 |
| Connecting Rod Bolts 3/8"            | 23-26 |
| Connecting Rod Bolts 7/16"           | 44-47 |
| Main Bearing Nuts & Cap Screws 1/16" | 88-96 |

#### WILLYS

|                      |       |
|----------------------|-------|
| Cylinder Head        | 60-65 |
| Connecting Rod Bolts | 55    |
| Main Bearing Bolts   | 60-65 |

#### YELLOW COACH

|               |                      |
|---------------|----------------------|
|               | Models 479, 529, 707 |
| Cylinder Head | 88-95                |
|               | Model 400            |
| Cylinder Head | 60-67                |

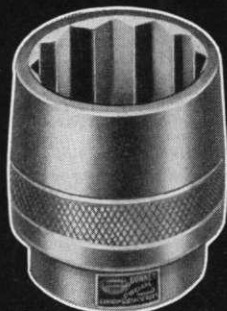
The information on pages 40 and 41 has been obtained from what we consider to be reliable sources, but we cannot guarantee its accuracy.



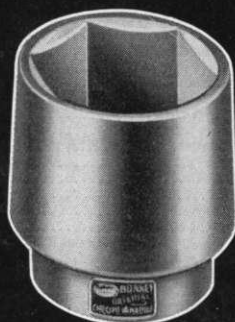
*The Finest that  
Money Can Buy*

# 'CV' Chrome-Vanadium HEAVY DUTY SOCKETS

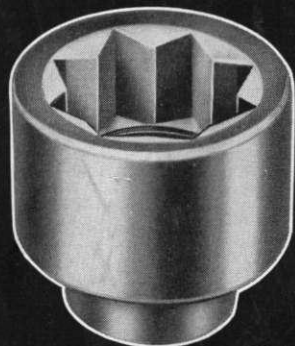
$\frac{3}{4}$ " Square Drive  
Chromium Plated



Double Hexagon Sockets



Hexagon Sockets



Double Square Sockets

## Double Hexagon Sockets

| No.  | Opening            | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut |
|------|--------------------|-----------------------|------------------------|------------------------------|
| HD28 | $\frac{7}{8}$ "    | $\frac{1}{2}$         | $\frac{5}{8}$          | $\frac{9}{16}$               |
| HD30 | $\frac{15}{16}$ "  |                       |                        | $\frac{5}{8}$                |
| HD31 | $\frac{31}{32}$ "  | $\frac{9}{16}$        |                        |                              |
| HD32 | 1"                 |                       | $\frac{3}{4}$          | $\frac{11}{16}$              |
| HD34 | $1\frac{1}{16}$ "  | $\frac{5}{8}$         |                        | $\frac{3}{4}$                |
| HD36 | $1\frac{1}{8}$ "   |                       | $\frac{7}{8}$          |                              |
| HD38 | $1\frac{3}{16}$ "  |                       |                        |                              |
| HD40 | $1\frac{1}{4}$ "   | $\frac{3}{4}$         | 1                      | $\frac{7}{8}$                |
| HD42 | $1\frac{5}{16}$ "  |                       |                        |                              |
| HD44 | $1\frac{3}{8}$ "   |                       | $1\frac{1}{8}$         |                              |
| HD46 | $1\frac{7}{16}$ "  | $\frac{7}{8}$         |                        | 1                            |
| HD48 | $1\frac{1}{2}$ "   |                       | $1\frac{1}{4}$         |                              |
| HD50 | $1\frac{9}{16}$ "  |                       |                        |                              |
| HD52 | $1\frac{5}{8}$ "   | 1                     | $1\frac{3}{8}$         | $1\frac{1}{8}$               |
| HD54 | $1\frac{11}{16}$ " |                       |                        |                              |
| HD56 | $1\frac{3}{4}$ "   |                       |                        |                              |
| HD60 | $1\frac{7}{8}$ "   |                       |                        |                              |
| HD64 | 2"                 | $1\frac{1}{4}$        |                        | $1\frac{3}{8}$               |

## Hexagon Sockets

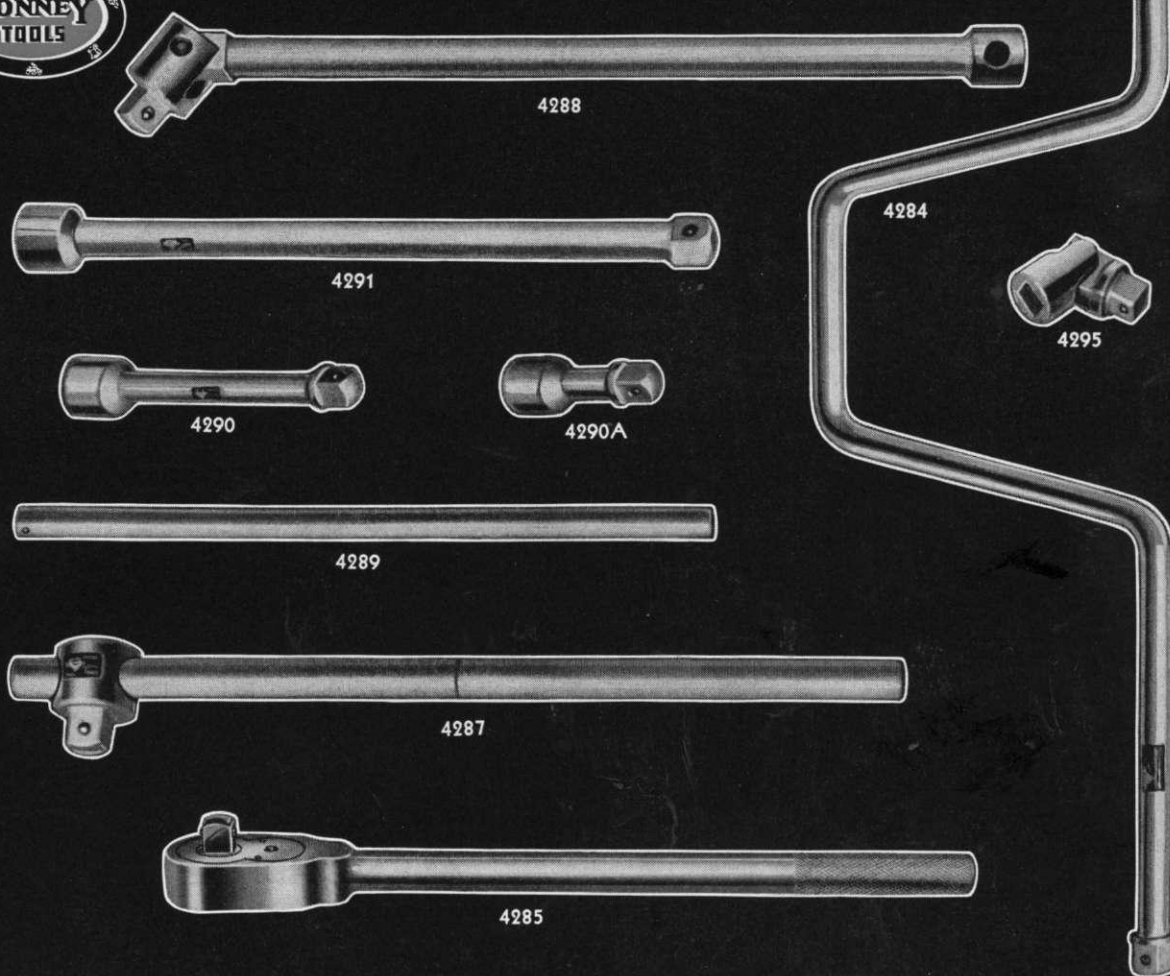
| No.  | Opening            | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut |
|------|--------------------|-----------------------|------------------------|------------------------------|
| 4228 | $\frac{7}{8}$ "    | $\frac{1}{2}$         | $\frac{5}{8}$          | $\frac{9}{16}$               |
| 4230 | $\frac{15}{16}$ "  |                       |                        | $\frac{5}{8}$                |
| 4231 | $\frac{31}{32}$ "  | $\frac{9}{16}$        |                        |                              |
| 4232 | 1"                 |                       | $\frac{3}{4}$          | $\frac{11}{16}$              |
| 4234 | $1\frac{1}{16}$ "  | $\frac{5}{8}$         |                        | $\frac{3}{4}$                |
| 4236 | $1\frac{1}{8}$ "   |                       | $\frac{7}{8}$          |                              |
| 4238 | $1\frac{3}{16}$ "  |                       |                        |                              |
| 4240 | $1\frac{1}{4}$ "   | $\frac{3}{4}$         | 1                      | $\frac{7}{8}$                |
| 4242 | $1\frac{5}{16}$ "  |                       |                        |                              |
| 4244 | $1\frac{3}{8}$ "   |                       | $1\frac{1}{8}$         |                              |
| 4246 | $1\frac{7}{16}$ "  | $\frac{7}{8}$         |                        | 1                            |
| 4248 | $1\frac{1}{2}$ "   |                       | $1\frac{1}{4}$         |                              |
| 4252 | $1\frac{5}{8}$ "   | 1                     | $1\frac{3}{8}$         | $1\frac{1}{8}$               |
| 4254 | $1\frac{11}{16}$ " |                       |                        |                              |
| 4256 | $1\frac{3}{4}$ "   |                       |                        |                              |
| 4258 | $1\frac{13}{16}$ " | $1\frac{1}{8}$        |                        | $1\frac{1}{4}$               |
| 4260 | $1\frac{7}{8}$ "   |                       |                        |                              |
| 4264 | 2"                 | $1\frac{1}{4}$        |                        | $1\frac{3}{8}$               |
| 4266 | $2\frac{1}{16}$ "  |                       |                        |                              |
| 4268 | $2\frac{1}{8}$ "   |                       |                        |                              |
| 4270 | $2\frac{3}{16}$ "  | $1\frac{3}{8}$        |                        | $1\frac{1}{2}$               |
| 4272 | $2\frac{1}{4}$ "   |                       |                        |                              |

## Double Square Sockets

| No.   | Opening           | U. S. S.<br>Bolt Size | U. S. S.<br>Cap Screw | U. S. S. or Amer.<br>Std. Set Screw |
|-------|-------------------|-----------------------|-----------------------|-------------------------------------|
| S4228 | $\frac{7}{8}$ "   | $\frac{1}{2}$         | $\frac{3}{4}$         | $\frac{7}{8}$                       |
| S4232 | 1"                |                       |                       | 1                                   |
| S4234 | $1\frac{1}{16}$ " | $\frac{5}{8}$         |                       |                                     |
| S4240 | $1\frac{1}{4}$ "  | $\frac{3}{4}$         | 1                     | $1\frac{1}{4}$                      |
| S4246 | $1\frac{7}{16}$ " | $\frac{7}{8}$         |                       |                                     |



*The Finest that Money Can Buy*



## 'CV' Chrome-Vanadium HEAVY DUTY HANDLES AND ATTACHMENTS

$\frac{3}{4}$  inch Square Drive

*Chromium Plated*

| No.  | Description   | No.   | Description                       |
|------|---|-------|-----------------------------------|
| 4284 | Brace, 28" long                                     | 4290  | Extension, 8 $\frac{1}{2}$ " long |
| 4285 | Reversible Ratchet Handle, 20" long                 | 4290A | Extension, 4" long                |
| 4287 | Sliding "T" Handle, 20" long                        | 4291  | Extension, 17" long               |
| 4288 | Hinge Handle, 22" long                              | 4295  | Universal Joint                   |
| 4289 | Cross Handle, 16 $\frac{3}{8}$ " long, for No. 4288 |       |                                   |





*The Finest that  
Money Can Buy*

## HEAVY DUTY SOCKET SETS

$\frac{3}{4}$  inch Square Drive

Nos. H and HD Sets



No. HD1 Set

### No. HD1 Set - 25 Pieces

**A**N exceptionally complete set of sockets and attachments that will take care of practically any job encountered where  $\frac{3}{4}$ " square drive is necessary.

Sockets and handles are made of Bonney 'CV' Chrome-Vanadium Steel, fully chrome plated. Each piece carries the Bonney Guarantee of quality and satisfaction.

All pieces are packed in a strong, attractively finished metal box measuring  $22\frac{1}{2}$ " x  $5\frac{1}{2}$ " x  $4\frac{1}{2}$ ". Contents are as follows:

### No. H and HD Sets - 14 Pieces

**E**ITHER the No. H or the No. HD Set will be found especially adapted to heavy duty work on buses, trucks, tractors and industrial machinery.

The sockets and attachments in each set are identical except that the No. H Set has hexagon sockets, while the No. HD Set has double hexagon sockets.

All pieces are made of Bonney 'CV' Chrome-Vanadium Steel, heavily chrome plated and fully guaranteed. They are packed in an attractively finished metal box measuring  $20\frac{1}{2}$ " x  $5\frac{3}{4}$ " x 3", with strong carrying handle and padlock hasp. Contents are as follows:

| No. H Set<br>Hexagon<br>Sockets | No. HD Set<br>Dble. Hex.<br>Sockets | Opening           | No. H Set<br>Hexagon<br>Sockets | No. HD Set<br>Dble. Hex.<br>Sockets | Opening          |
|---------------------------------|-------------------------------------|-------------------|---------------------------------|-------------------------------------|------------------|
| 4230                            | HD30                                | $1\frac{5}{16}$ " | 4240                            | HD40                                | $1\frac{1}{4}$ " |
| 4231                            | HD31                                | $1\frac{3}{8}$ "  | 4244                            | HD44                                | $1\frac{3}{8}$ " |
| 4232                            | HD32                                | $1\frac{1}{2}$ "  | 4246                            | HD46                                | $1\frac{7}{8}$ " |
| 4234                            | HD34                                | $1\frac{1}{2}$ "  | 4248                            | HD48                                | $1\frac{1}{2}$ " |
| 4236                            | HD36                                | $1\frac{5}{8}$ "  | 4252                            | HD52                                | $1\frac{5}{8}$ " |

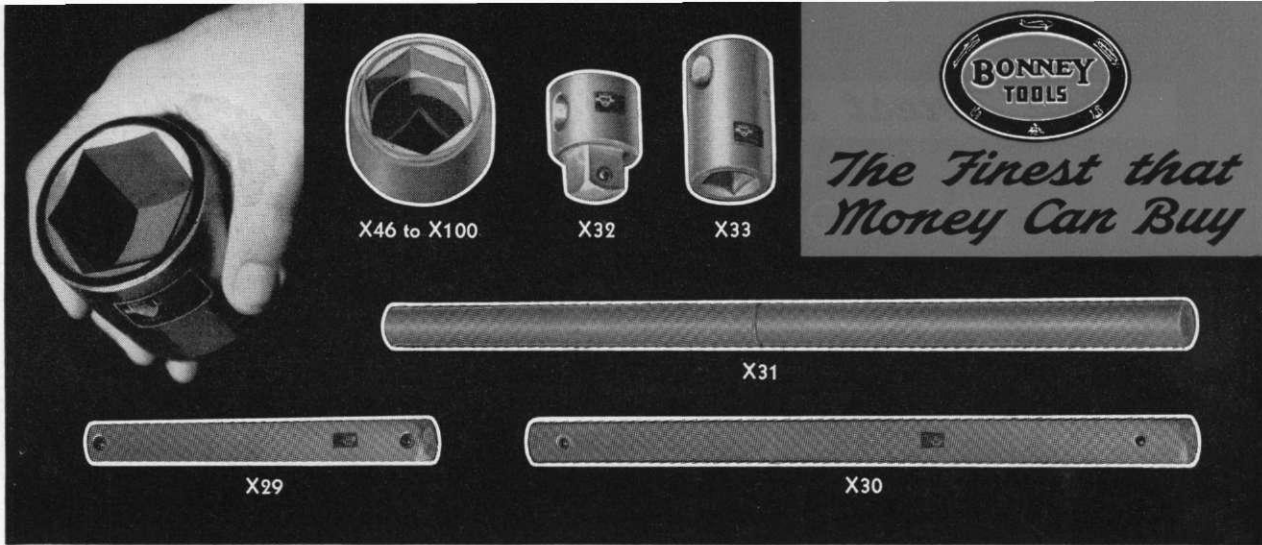
In addition, each set includes the following handles and attachments:

| No.  | Description                         |
|------|-------------------------------------|
| 4285 | Reversible Ratchet Handle, 20" long |
| 4287 | Sliding "T" Handle, 20" long        |
| 4290 | Extension, $8\frac{1}{2}$ " long    |
| 4291 | Extension, 17" long                 |

Net Weight, either set—27 lbs.

| No.   | Description  |
|-------|--|
| HD30  | $1\frac{5}{16}$ " Double Hexagon Socket            |
| HD31  | $1\frac{3}{8}$ " " " "                             |
| HD32  | $1\frac{1}{2}$ " " " "                             |
| HD34  | $1\frac{1}{2}$ " " " "                             |
| HD36  | $1\frac{5}{8}$ " " " "                             |
| HD38  | $1\frac{3}{8}$ " " " "                             |
| HD40  | $1\frac{1}{4}$ " " " "                             |
| HD42  | $1\frac{5}{8}$ " " " "                             |
| HD44  | $1\frac{3}{8}$ " " " "                             |
| HD46  | $1\frac{7}{8}$ " " " "                             |
| HD48  | $1\frac{1}{2}$ " " " "                             |
| HD50  | $1\frac{9}{16}$ " " " "                            |
| HD52  | $1\frac{5}{8}$ " " " "                             |
| 4254  | $1\frac{11}{16}$ " Hexagon Socket                  |
| 4256  | $1\frac{3}{4}$ " " " "                             |
| 4258  | $1\frac{13}{16}$ " " " "                           |
| 4260  | $1\frac{7}{8}$ " " " "                             |
| 4264  | 2" " " "   |
| 4285  | Reversible Ratchet Handle, 20" long                |
| 4287  | Sliding "T" Handle, 20" long                       |
| 4288  | Hinge Handle, 22" long                             |
| 4289  | Cross Handle, $16\frac{3}{8}$ " long, for No. 4288 |
| 4290  | Extension, $8\frac{1}{2}$ " long                   |
| 4290A | Extension, 4" long                                 |
| 4291  | Extension, 17" long                                |

Net Weight 55 lbs.



## 'CV' Chrome-Vanadium EXTRA HEAVY-DUTY SOCKET SERIES

1 inch Square Drive

*Chromium Plated*

### Extra Heavy-Duty Hexagon Sockets

| No.  | Size Opening | U. S. S. Bolt Size | Hex. Head Cap Screw | S. A. E. Nut Cap & Screw | Amer. Std. Bolt & Nut |
|------|--------------|--------------------|---------------------|--------------------------|-----------------------|
| X46  | 1 7/16       | 7/8                |                     | 1                        |                       |
| X48  | 1 1/2        |                    | 1 1/4               |                          | 1                     |
| X52  | 1 5/8        | 1                  | 1 3/8               | 1 1/8                    |                       |
| X58  | 1 13/16      | 1 1/8              |                     | 1 1/4                    |                       |
| X60  | 1 7/8        |                    |                     |                          | 1 1/4                 |
| X64  | 2            | 1 1/4              |                     | 1 3/8                    |                       |
| X70  | 2 3/16       | 1 3/8              |                     | 1 1/2                    |                       |
| X72  | 2 1/4        |                    |                     |                          | 1 1/2                 |
| X74  | 2 5/16       |                    |                     |                          |                       |
| X76  | 2 3/8        | 1 1/2              |                     |                          |                       |
| X78  | 2 7/16       |                    |                     |                          |                       |
| X80  | 2 1/2        |                    |                     |                          |                       |
| X82  | 2 9/16       | 1 5/8              |                     |                          |                       |
| X84  | 2 5/8        |                    |                     |                          | 1 3/4                 |
| X86  | 2 11/16      |                    |                     |                          |                       |
| X88  | 2 3/4        | 1 3/4              |                     |                          |                       |
| X94  | 2 15/16      | 1 7/8              |                     |                          |                       |
| X100 | 3 1/8        | 2                  |                     |                          |                       |

### Extra Heavy-Duty Handles and Attachments

| No. | Description           | No. | Description        |
|-----|-----------------------|-----|--------------------|
| X29 | Extension, 9" long    | X32 | Drive Head, Male   |
| X30 | Extension, 18" long   | X33 | Drive Head, Female |
| X31 | Sliding Bar, 22" long |     |                    |



### No. XH Extra Heavy-Duty Socket Set

12 Pieces

This set has been assembled especially for the mechanic who has use for sockets and attachments with 1" square drive in working on the largest buses, trucks, tractors and industrial machinery. Packed in an attractively finished metal box measuring 22 1/2" x 5 1/2" x 4 1/2". One each of the following pieces are included:

| No. | Description            | No. | Description           |
|-----|------------------------|-----|-----------------------|
| X46 | 1 7/16" Hexagon Socket | X76 | 2 3/8" Hexagon Socket |
| X48 | 1 1/2" " "             | X29 | Extension, 9" long    |
| X52 | 1 5/8" " "             | X30 | Extension, 18" long   |
| X58 | 1 13/16" " "           | X31 | Sliding Bar, 22" long |
| X64 | 2" " "                 | X32 | Drive Head, Male      |
| X70 | 2 3/16" " "            | X33 | Drive Head, Female    |

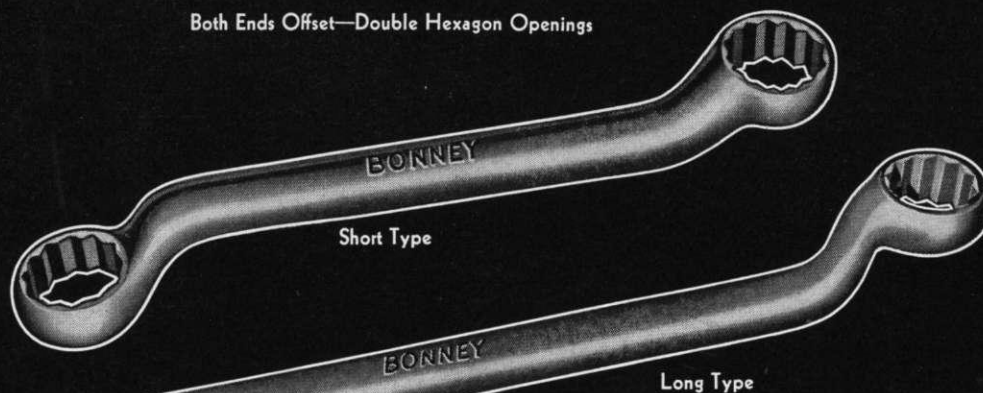
Net Weight 42 lbs.



*The Finest that Money Can Buy*

## BONALLOY BOX WRENCHES

Both Ends Offset—Double Hexagon Openings



BONNEY Box Wrenches, drop-forged of Bonalloy Steel, are thin, long and light in weight. Different size double hexagon openings are broached in each end of the wrench. Box walls are thin but still have

the exceptional strength of all Bonney Wrenches. Handles are oval, permitting a firm, comfortable grip. All wrenches are chrome plated, with heads buffed to a high, permanent lustre.

### BONALLOY Short Type

Both Ends Offset—Different Openings Each End

| Wrench No. | Openings                       | U. S. S.<br>Bolt Size         | Hex. Head<br>Cap Screw          | S. A. E. Std.<br>Screw & Nut    | Length         |
|------------|--------------------------------|-------------------------------|---------------------------------|---------------------------------|----------------|
| 2804       | $\frac{3}{8}$ & $\frac{7}{16}$ | .....                         | $\frac{3}{16}$ & $\frac{1}{4}$  | $\frac{1}{4}$ & $\frac{1}{4}$   | $5\frac{1}{2}$ |
| 2805A      | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{1}{4}$ & $\frac{1}{4}$ | $\frac{1}{4}$ & $\frac{5}{16}$  | $\frac{1}{4}$ & $\frac{5}{16}$  | $5\frac{1}{2}$ |
| 2805       | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{1}{4}$ & $\frac{1}{4}$ | $\frac{5}{16}$ & $\frac{3}{8}$  | $\frac{5}{16}$ & $\frac{3}{8}$  | $5\frac{1}{2}$ |
| 2806A      | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{1}{4}$ & $\frac{1}{4}$ | $\frac{5}{16}$ & $\frac{7}{16}$ | $\frac{5}{16}$ & $\frac{7}{16}$ | 6              |
| 2806       | $\frac{9}{16}$ & $\frac{5}{8}$ | .....                         | $\frac{7}{8}$ & $\frac{7}{16}$  | $\frac{3}{8}$ & $\frac{7}{16}$  | 6              |

### BONALLOY Long Type

Both Ends Offset—Different Openings Each End

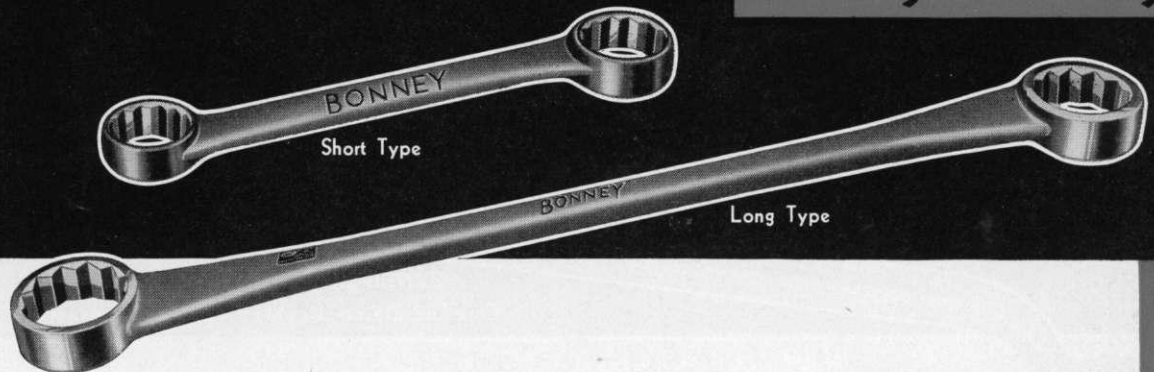
| No.   | Openings                          | U. S. S.<br>Bolt Size           | Hex. Head<br>Cap Screw         | S. A. E. Std.<br>Screw & Nut     | Length          |
|-------|-----------------------------------|---------------------------------|--------------------------------|----------------------------------|-----------------|
| 2804L | $\frac{3}{8}$ & $\frac{7}{16}$    | .....                           | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{1}{4}$ & $\frac{1}{4}$    | $8\frac{1}{2}$  |
| 2804B | $\frac{13}{32}$ & $\frac{1}{2}$   | $\frac{3}{16}$ & $\frac{1}{4}$  | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$   | $8\frac{3}{4}$  |
| 2804C | $\frac{7}{16}$ & $\frac{1}{2}$    | $\frac{1}{4}$ & $\frac{1}{4}$   | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$   | $8\frac{3}{4}$  |
| 2805L | $\frac{1}{2}$ & $\frac{9}{16}$    | $\frac{1}{4}$ & $\frac{1}{4}$   | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{5}{16}$ & $\frac{3}{8}$   | 9               |
| 2805B | $\frac{1}{2}$ & $\frac{19}{32}$   | $\frac{1}{4}$ & $\frac{5}{16}$  | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{5}{16}$ & $\frac{3}{8}$   | 9               |
| 2806L | $\frac{9}{16}$ & $\frac{5}{8}$    | .....                           | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{3}{8}$ & $\frac{7}{16}$   | $9\frac{1}{2}$  |
| 2807A | $\frac{5}{8}$ & $\frac{11}{16}$   | $\frac{5}{8}$ & $\frac{3}{8}$   | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{7}{16}$ & $\frac{1}{2}$   | 11              |
| 2807  | $\frac{5}{8}$ & $\frac{3}{4}$     | .....                           | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{7}{16}$ & $\frac{1}{2}$   | 11              |
| 2808B | $\frac{11}{16}$ & $\frac{25}{32}$ | $\frac{3}{8}$ & $\frac{7}{16}$  | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{1}{2}$ & $\frac{9}{16}$   | $11\frac{1}{2}$ |
| 2808  | $\frac{3}{4}$ & $\frac{7}{8}$     | $\frac{3}{8}$ & $\frac{7}{16}$  | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{1}{2}$ & $\frac{9}{16}$   | $11\frac{1}{2}$ |
| 2809A | $\frac{25}{32}$ & $\frac{7}{8}$   | $\frac{7}{16}$ & $\frac{1}{2}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | $\frac{9}{16}$ & $\frac{5}{8}$   | $12\frac{1}{2}$ |
| 2809C | $\frac{13}{16}$ & $\frac{7}{8}$   | $\frac{1}{2}$ & $\frac{1}{2}$   | $\frac{9}{16}$ & $\frac{5}{8}$ | $\frac{9}{16}$ & $\frac{5}{8}$   | $12\frac{1}{2}$ |
| 2809  | $\frac{7}{8}$ & $\frac{15}{16}$   | $\frac{1}{2}$ & $\frac{1}{2}$   | $\frac{9}{16}$ & $\frac{5}{8}$ | $\frac{9}{16}$ & $\frac{5}{8}$   | $12\frac{1}{2}$ |
| 2810B | $\frac{7}{8}$ & $\frac{31}{32}$   | $\frac{1}{2}$ & $\frac{9}{16}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{3}{4}$   | $13\frac{1}{2}$ |
| 2810C | $\frac{7}{8}$ & $1$               | $\frac{1}{2}$ & $\frac{9}{16}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{11}{16}$ | $13\frac{1}{2}$ |
| 2810A | $\frac{15}{16}$ & $\frac{31}{32}$ | $\frac{1}{2}$ & $\frac{9}{16}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{11}{16}$ | $13\frac{1}{2}$ |
| 2810  | $\frac{15}{16}$ & $1$             | .....                           | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{11}{16}$ | $13\frac{1}{2}$ |
| 2811E | $\frac{7}{8}$ & $\frac{11}{16}$   | $\frac{1}{2}$ & $\frac{5}{8}$   | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{3}{4}$   | $14\frac{1}{2}$ |
| 2811B | $\frac{15}{16}$ & $\frac{11}{16}$ | $\frac{1}{2}$ & $\frac{5}{8}$   | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{3}{4}$   | $14\frac{1}{2}$ |
| 2811A | $1$ & $\frac{11}{16}$             | $\frac{1}{2}$ & $\frac{5}{8}$   | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{3}{4}$   | $14\frac{1}{2}$ |
| 2811  | $1$ & $\frac{1}{8}$               | .....                           | $\frac{3}{4}$ & $\frac{7}{8}$  | $\frac{11}{16}$ & $\frac{3}{4}$  | $14\frac{1}{2}$ |
| 2812B | $\frac{11}{16}$ & $\frac{11}{4}$  | $\frac{5}{8}$ & $\frac{3}{4}$   | $\frac{7}{8}$ & $1$            | $\frac{3}{4}$ & $\frac{7}{8}$    | $16\frac{1}{2}$ |
| 2812C | $\frac{11}{16}$ & $\frac{11}{4}$  | $\frac{5}{8}$ & $\frac{3}{4}$   | $\frac{7}{8}$ & $1$            | $\frac{3}{4}$ & $\frac{7}{8}$    | $16\frac{1}{2}$ |
| 2812  | $\frac{11}{4}$ & $1\frac{3}{8}$   | $\frac{3}{4}$ & $\frac{3}{4}$   | $1$ & $1\frac{1}{8}$           | $\frac{7}{8}$ & $\frac{7}{8}$    | $17\frac{1}{2}$ |
| 2812A | $\frac{11}{4}$ & $1\frac{7}{16}$  | $\frac{3}{4}$ & $\frac{7}{8}$   | $1$ & $\frac{7}{8}$            | $\frac{7}{8}$ & $1$              | 20              |
| 2813  | $\frac{17}{16}$ & $1\frac{5}{8}$  | $\frac{7}{8}$ & $1$             | $1$ & $1\frac{3}{8}$           | $1$ & $1\frac{1}{4}$             | 23              |
| 2815  | $1\frac{13}{16}$ & $2$            | $1\frac{1}{8}$ & $1\frac{1}{4}$ | .....                          | $1\frac{1}{4}$ & $1\frac{3}{8}$  | $24\frac{1}{4}$ |
| 2815A | $2$ & $2\frac{3}{8}$              | $1\frac{1}{4}$ & $1\frac{1}{2}$ | .....                          | $1\frac{3}{8}$ & $\frac{7}{8}$   | 26              |
| 2819  | $2\frac{3}{16}$ & $2\frac{3}{8}$  | $1\frac{3}{8}$ & $1\frac{1}{2}$ | .....                          | $1\frac{1}{2}$ & $\frac{7}{8}$   | 26              |
| 2821  | $2\frac{9}{16}$ & $2\frac{3}{4}$  | $1\frac{5}{8}$ & $1\frac{3}{4}$ | .....                          | .....                            | 28              |



# BONALLOY 15° ANGLE BOX WRENCHES



*The Finest that  
Money Can Buy*



**B**ONALLOY 15° Angle Box Wrenches are designed for work in locations with low overhead clearance. Either side of the head may be applied. Drop forged of Bonalloy Steel, they have long, thin, oval-

shaped handles affording a firm comfortable grip. Box walls are thin. They have double hexagon openings and are fully chrome plated with polished heads.

## Short Type—Double Hexagon Openings—Different Size Openings in Each End

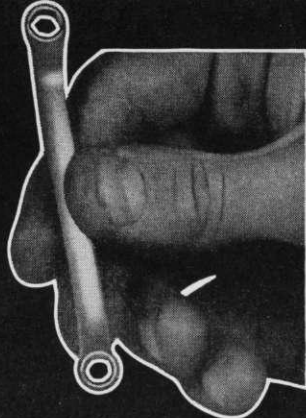
| No.  | Openings                       | U. S. S.<br>Bolt Size          | Hex. Head<br>Cap Screw         | S. A. E. Std.<br>Screw & Nut   | Length            |
|------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------|
| 2885 | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{1}{8}$ & $\frac{3}{16}$ | $\frac{1}{8}$ & $\frac{3}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 4"                |
| 2886 | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 4 $\frac{1}{2}$ " |
| 2887 | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 5"                |
| 2888 | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | 5 $\frac{1}{2}$ " |

## Long Type—Double Hexagon Openings—Different Size Openings in Each End

| No.   | Openings                          | U. S. S.<br>Bolt Size          | Hex. Head<br>Cap Screw         | S. A. E. Std.<br>Screw & Nut   | Length           |
|-------|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|
| 2890  | $\frac{3}{8}$ & $\frac{7}{16}$    | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 7 $\frac{5}{8}$  |
| 2890B | $\frac{13}{32}$ & $\frac{1}{2}$   | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 7 $\frac{3}{4}$  |
| 2890C | $\frac{7}{16}$ & $\frac{1}{2}$    | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{1}{4}$ & $\frac{5}{16}$ | 7 $\frac{3}{4}$  |
| 2891  | $\frac{1}{2}$ & $\frac{9}{16}$    | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | 8 $\frac{5}{8}$  |
| 2891A | $\frac{1}{2}$ & $\frac{19}{32}$   | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | 8 $\frac{5}{8}$  |
| 2891C | $\frac{9}{16}$ & $\frac{5}{8}$    | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{3}{8}$ & $\frac{7}{16}$ | 9 $\frac{1}{4}$  |
| 2892  | $\frac{5}{8}$ & $\frac{11}{16}$   | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{7}{16}$ & $\frac{1}{2}$ | 9 $\frac{5}{8}$  |
| 2892B | $\frac{5}{8}$ & $\frac{3}{4}$     | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{7}{16}$ & $\frac{1}{2}$ | $\frac{7}{16}$ & $\frac{1}{2}$ | 9 $\frac{5}{8}$  |
| 2893A | $\frac{11}{16}$ & $\frac{25}{32}$ | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | 11               |
| 2893  | $\frac{3}{4}$ & $\frac{13}{16}$   | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | 11               |
| 2893B | $\frac{3}{4}$ & $\frac{7}{8}$     | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | 11               |
| 2894  | $\frac{7}{8}$ & $\frac{15}{16}$   | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 13 $\frac{1}{4}$ |
| 2894A | $\frac{7}{8}$ & $1$               | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 13 $\frac{1}{4}$ |
| 2894B | $\frac{15}{16}$ & $1$             | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 13 $\frac{1}{4}$ |
| 2895A | $\frac{7}{8}$ & $\frac{11}{16}$   | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 15 $\frac{1}{2}$ |
| 2895B | $\frac{15}{16}$ & $\frac{11}{16}$ | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 15 $\frac{1}{2}$ |
| 2895  | $1$ & $\frac{11}{16}$             | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 15 $\frac{1}{2}$ |
| 2895C | $1$ & $\frac{11}{16}$             | $\frac{1}{2}$ & $\frac{5}{8}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{9}{16}$ & $\frac{5}{8}$ | 15 $\frac{1}{2}$ |
| 2896  | $\frac{11}{8}$ & $\frac{13}{8}$   | $\frac{3}{4}$ & $\frac{7}{8}$  | $\frac{7}{8}$ & $1$            | $\frac{7}{8}$ & $1$            | 16               |
| 2897  | $\frac{11}{4}$ & $\frac{17}{16}$  | $\frac{3}{4}$ & $\frac{7}{8}$  | $\frac{7}{8}$ & $1$            | $\frac{7}{8}$ & $1$            | 18               |



*The Finest that Money Can Buy*



'CV' Chrome-Vanadium  
Extra-Small Box Wrenches  
Both Ends Offset  
Different Size Opening Each End



ZENEL Long Type Box Wrenches  
One End Offset—Double Hexagon Openings

## ZENEL LONG TYPE BOX WRENCHES

One end offset—Double Hexagon Openings—Same size openings both ends.

**T**HIS series of Bonney Box Wrenches has only one end offset and has the same size double hexagon opening in each end of the wrench. They are drop-forged of ZENEL Steel, the toughest, hard

wrench steel ever developed, chrome plated, with polished heads. Handles are panelled affording a firm, comfortable grip. Box walls are thin. Consequently they are light in weight and suitable for work in the "hard-to-get-at" places.

| No.   | Openings        | U. S. S.<br>Bolt Size | Hex. Head<br>Cap Screw | S. A. E. Std.<br>Screw & Nut | Length          |
|-------|-----------------|-----------------------|------------------------|------------------------------|-----------------|
| Z2814 | $\frac{7}{16}$  | .....                 | $\frac{1}{4}$          | $\frac{1}{4}$                | 8               |
| Z2816 | $\frac{1}{2}$   | $\frac{1}{4}$         | $\frac{5}{16}$         | $\frac{5}{16}$               | 9               |
| Z2818 | $\frac{9}{16}$  | .....                 | $\frac{3}{8}$          | $\frac{3}{8}$                | $9\frac{1}{2}$  |
| Z2820 | $\frac{5}{8}$   | .....                 | $\frac{7}{16}$         | $\frac{7}{16}$               | 10              |
| Z2822 | $1\frac{1}{16}$ | $\frac{3}{8}$         | .....                  | .....                        | 11              |
| Z2824 | $\frac{3}{4}$   | .....                 | $\frac{1}{2}$          | $\frac{1}{2}$                | $11\frac{1}{2}$ |
| Z2825 | $\frac{25}{32}$ | $\frac{7}{16}$        | .....                  | .....                        | 12              |
| Z2826 | $1\frac{3}{16}$ | .....                 | $\frac{9}{16}$         | .....                        | 12              |
| Z2828 | $\frac{7}{8}$   | $\frac{1}{2}$         | $\frac{5}{8}$          | $\frac{9}{16}$               | $12\frac{3}{4}$ |
| Z2830 | $1\frac{5}{16}$ | .....                 | .....                  | $\frac{5}{8}$                | $13\frac{1}{2}$ |
| *2832 | 1               | .....                 | $\frac{3}{4}$          | $1\frac{1}{16}$              | 15              |
| *2834 | $1\frac{1}{16}$ | $\frac{5}{8}$         | .....                  | $\frac{3}{4}$                | $17\frac{1}{2}$ |
| *2836 | $1\frac{1}{8}$  | .....                 | $\frac{7}{8}$          | .....                        | $17\frac{1}{2}$ |
| *2839 | $1\frac{1}{4}$  | $\frac{3}{4}$         | 1                      | $\frac{7}{8}$                | $17\frac{1}{2}$ |

\* These wrenches forged of Bonaloy Steel.

## 'CV' Chrome-Vanadium EXTRA-SMALL BOX WRENCHES

Both Ends Offset—Different Size Opening Each End

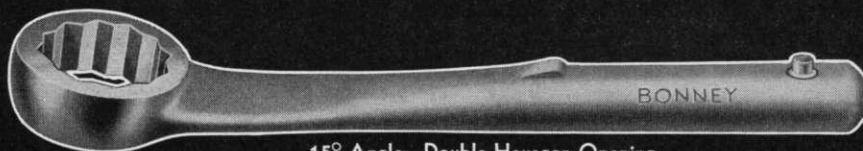
Bonney Extra-Small Box Wrenches are drop-forged of 'CV' Chrome-Vanadium Steel, chrome plated and polished. The two smaller sizes have single hexagon openings, while the two larger sizes have double hexagon openings. They are

ideal for generator, carburetor, starter, electrical and ignition work where parts are small and space in which to work is limited. Every mechanic needs a full set of these wrenches to handle small nuts and bolts.

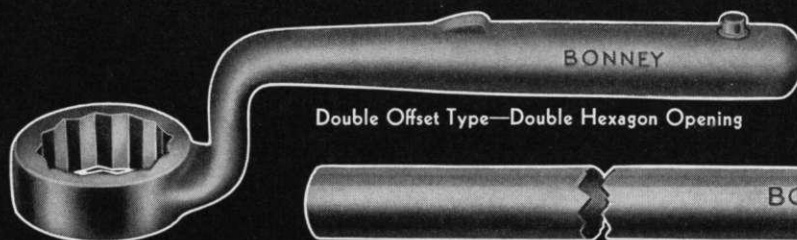
| No. | Openings                                     | Length         | No. | Openings  | Length         |
|-----|--|----------------|-----|---|----------------|
| E40 | $\frac{3}{16}$ " & $\frac{13}{64}$ " Hexagon | $\frac{27}{8}$ | E44 | $\frac{1}{4}$ " & $\frac{9}{32}$ " Double Hexagon   | $\frac{33}{8}$ |
| E42 | $\frac{7}{32}$ " & $\frac{15}{64}$ " Hexagon | $\frac{31}{8}$ | E46 | $\frac{5}{16}$ " & $\frac{11}{32}$ " Double Hexagon | $\frac{33}{4}$ |



*The Finest that Money Can Buy*



15° Angle—Double Hexagon Opening



Double Offset Type—Double Hexagon Opening



Interchangeable Tubular Handle

## BONNEY HEAVY DUTY BOX WRENCHES

15° Angle - For Use With Tubular Handles - Double Hexagon Opening

**B**ONNEY Heavy Duty Box Wrenches with double hexagon openings are designed for breaking loose or tightening large diameter nuts with a minimum of effort. They will be found especially useful for work on trucks, buses, tractors, steam shovels, industrial machinery, road machinery, etc.

Drop-forged of chrome-alloy steel, they are carefully heat treated to insure the ultimate strength of the steel, and are heavily plated. All have highly polished heads. A positive locking device holds the wrenches firmly in the interchangeable handle designed to give extra leverage for turning the "toughest" nut.

| Wrench No. | Size Opening | U. S. S. Bolt Size | U. S. S. Hex. Hd. Cap Screw | S. A. E. Std. Screw & Nut | American Std. Nuts; Size Bolt | American Std. Cap Screws; Size Screw | Thickness of Head | Diam. Shank |
|------------|--------------|--------------------|-----------------------------|---------------------------|-------------------------------|--------------------------------------|-------------------|-------------|
| BA52       | 1 5/8        | 1                  | 1 3/8                       | 1 1/8                     |                               |                                      | 1                 | 1           |
| BA56       | 1 3/4        |                    |                             |                           |                               |                                      | 1                 | 1           |
| BA58       | 1 13/16      | 1 1/8              |                             | 1 1/4                     |                               |                                      | 1 1/16            | 1           |
| BA60       | 1 7/8        |                    |                             |                           | 1 1/4                         |                                      | 1 1/16            | 1           |
| BA64       | 2            | 1 1/4              |                             | 1 3/8                     |                               |                                      | 1 1/8             | 1           |
| BA70       | 2 3/16       | 1 3/8              |                             | 1 1/2                     |                               |                                      | 1 1/8             | 1           |
| BA72       | 2 1/4        |                    |                             |                           | 1 1/2                         |                                      | 1 1/4             | 1           |

Double Offset Type - For Use With Tubular Handles - Double Hexagon Opening

Of exactly the same quality and finish as the 15° angle Heavy Duty Box Wrenches, these wrenches are for use on the same types of work.

The double offset head permits their use in places inaccessible with any other type of wrench.

| Wrench No. | Size Opening | U. S. S. Bolt Size | U. S. S. Hex. Hd. Cap Screw | S. A. E. Std. Screw & Nut | American Std. Nuts; Size Bolt | American Std. Cap Screws; Size Screw | Thickness of Head | Diam. Shank |
|------------|--------------|--------------------|-----------------------------|---------------------------|-------------------------------|--------------------------------------|-------------------|-------------|
| BO52       | 1 5/8        | 1                  | 1 3/8                       | 1 1/8                     |                               |                                      | 1                 | 1           |
| BO54       | 1 11/16      |                    | 1 1/4                       |                           | 1 1/8                         | 1 1/4                                | 1                 | 1           |
| BO56       | 1 3/4        |                    |                             |                           |                               |                                      | 1                 | 1           |
| BO58       | 1 13/16      | 1 1/8              |                             | 1 1/4                     |                               |                                      | 1 1/16            | 1           |
| BO60       | 1 7/8        |                    |                             |                           | 1 1/4                         |                                      | 1 1/16            | 1           |
| BO64       | 2            | 1 1/4              |                             | 1 3/8                     |                               |                                      | 1 1/8             | 1           |
| BO70       | 2 3/16       | 1 3/8              |                             | 1 1/2                     |                               |                                      | 1 1/8             | 1           |
| BO72       | 2 1/4        |                    |                             |                           | 1 1/2                         |                                      | 1 1/4             | 1           |

## INTERCHANGEABLE TUBULAR HANDLE

For Use with Bonney Heavy Duty Box Wrenches

Made of seamless steel tubing, this interchangeable handle provides the extra leverage necessary in turning large nuts. Holes are provided in each end of the handle to insure positive locking on the spring ball plunger in the ends of the wrench shank.

Both 15° Angle and Double Offset Type Heavy Duty Box Wrenches are interchangeable on the handle and the com-

bination of any two can be used to make a double end wrench. Handle is heavily plated.

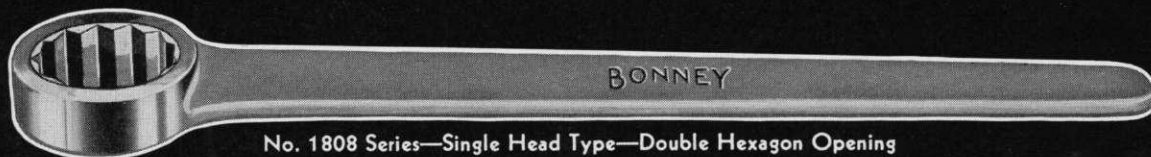
| Handle No. | Inside Diameter | Outside Diameter | Length |
|------------|-----------------|------------------|--------|
| BH32       | 1               | 1 1/4            | 30     |



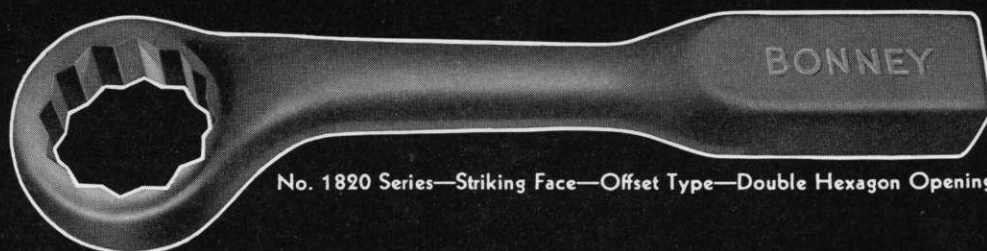


*The Finest that  
Money Can Buy*

## BONALLOY BOX WRENCHES



No. 1808 Series—Single Head Type—Double Hexagon Opening



No. 1820 Series—Striking Face—Offset Type—Double Hexagon Opening

### No. 1808 Series - Single Head Type - Double Hexagon Opening

**BONNEY** Single Head Box Wrenches are drop forged of Bonalloy Steel, carefully heat-treated and heavily chrome plated with polished heads.

Long flat handles afford a comfortable grip and extreme leverage in "breaking-loose" or pulling up large size nuts. All have double hexagon openings.

| Wrench No. | Opening | U.S.S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Length | Wrench No. | Opening | U.S.S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Length |
|------------|---------|------------------|---------------------|-------------------------|--------|------------|---------|------------------|---------------------|-------------------------|--------|
| 1808       | 1 1/4   | 3/4              | 1                   | 7/8                     | 10 3/4 | 1811       | 1 13/16 | 1 1/8            | .....               | 1 1/4                   | 15     |
| 1808A      | 1 5/16  | .....            | .....               | .....                   | 10 3/4 | 1812       | 2       | 1 1/4            | .....               | 1 3/8                   | 16 1/2 |
| 1809       | 1 7/16  | 7/8              | .....               | 1                       | 12     | 1813       | 2 3/16  | 1 3/8            | .....               | 1 1/2                   | 18     |
| 1809A      | 1 1/2   | .....            | 1 1/8               | .....                   | 12     | 1814       | 2 3/8   | 1 1/2            | .....               | .....                   | 20     |
| 1810       | 1 5/8   | 1                | .....               | 1 1/8                   | 13 1/2 |            |         |                  |                     |                         |        |
| 1810A      | 1 11/16 | .....            | 1 1/4               | .....                   | 13 1/2 |            |         |                  |                     |                         |        |

### No. 1820 Series - Striking Face - Offset Type - Double Hexagon Opening

**DESIGNED** especially for heavy work in close quarters where large nuts must be set up tight or frozen nuts loosened.

to withstand shocks and have large striking area. Furnished with double hexagon opening and finished in baked gray enamel all over.

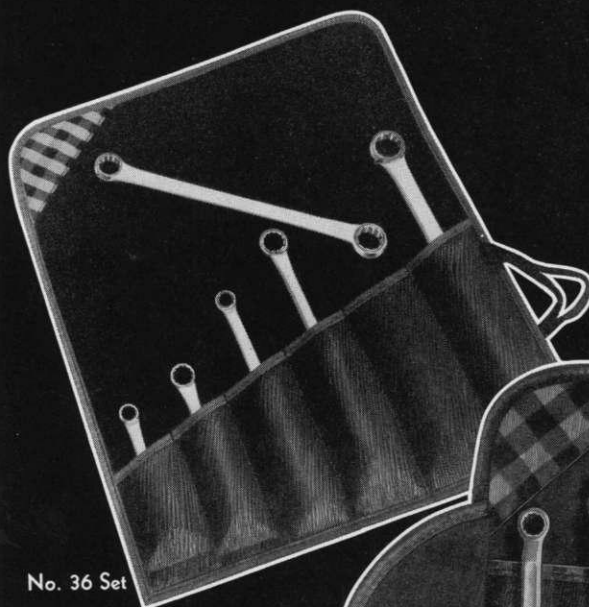
They are drop forged of Bonalloy Steel, properly heat-treated

| Wrench No. | Opening | U.S.S. Bolt Size | S.A.E. Std. Screw & Nut | Extreme Length | Head      |                  | Wrench No. | Opening | U.S.S. Bolt Size | S.A.E. St Screw & Nut | Extreme Length | Head      |                  |
|------------|---------|------------------|-------------------------|----------------|-----------|------------------|------------|---------|------------------|-----------------------|----------------|-----------|------------------|
|            |         |                  |                         |                | Thickness | Outside Diameter |            |         |                  |                       |                | Thickness | Outside Diameter |
| 1820       | 1 7/16  | 7/8              | 1                       | 11 1/2         | 1         | 2 3/8            | 1824       | 2 3/16  | 1 3/4            | 1 1/2                 | 13 1/2         | 1 3/8     | 3 15/32          |
| 1821       | 1 5/8   | 1                | 1 1/8                   | 12             | 1 1/16    | 2 5/8            | 1825       | 2 3/8   | 1 1/2            | .....                 | 14             | 1 1/2     | 3 23/32          |
| 1822       | 1 13/16 | 1 1/8            | 1 1/4                   | 12 1/2         | 1 1/8     | 2 25/32          | 1826       | 2 9/16  | 1 5/8            | .....                 | 14 1/2         | 1 5/8     | 3 29/32          |
| 1823       | 2       | 1 1/4            | 1 3/8                   | 13             | 1 1/4     | 3 5/32           | 1827       | 2 3/4   | 1 3/4            | .....                 | 15             | 1 3/4     | 4 5/32           |

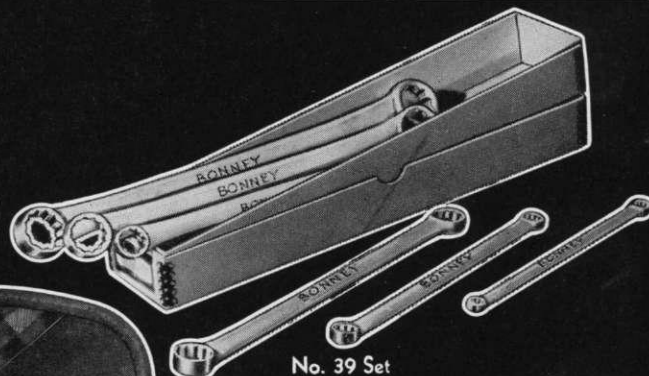
# BONNEY BOX WRENCH SETS



*The Finest that Money Can Buy*



No. 36 Set



No. 39 Set



No. 29 Set

## No. 29 Set

3 Pieces

THE No. 29 Set contains the three short type box wrenches for which the most general use is found. Drop forged of Bonaloy Steel, they are chrome plated and the heads are buffed to a high, permanent lustre. Handles are oval-shaped and assure a firm, comfortable grip.

They are especially useful in making distributor and carburetor adjustments, installation of heaters, radios, etc. in automobiles where space in which to work is limited.

One each of the following wrenches are included:

Nos. 2804                      2805                      2806

All have both ends offset and different size double hexagon opening in each end. The set may be had in substantial cardboard box or handy, leatherette roll.

## No. 36 Set

6 Pieces

The No. 36 Set contains six Bonney Box Wrenches drop forged of Bonaloy Steel with heads offset at a 15° angle. Included in the set are two short type wrenches and four of

the long type. They have different size double hexagon openings. Each wrench is heavily chrome plated, has polished heads and is fully guaranteed.

Included are one each wrenches:

|           |           |           |
|-----------|-----------|-----------|
| Nos. 2886 | Nos. 2890 | Nos. 2892 |
| 2888      | 2891      | 2893      |

The set may be had in convenient leatherette roll or handy, cardboard box.

## No. 39 Set

6 Pieces

Here's a set of 15° angle, long type Bonney Box Wrenches that is the finest money can buy. Drop forged of Bonaloy Steel, each wrench has a different size opening in each end. They are fully chrome plated with heads buffed to a high, permanent lustre.

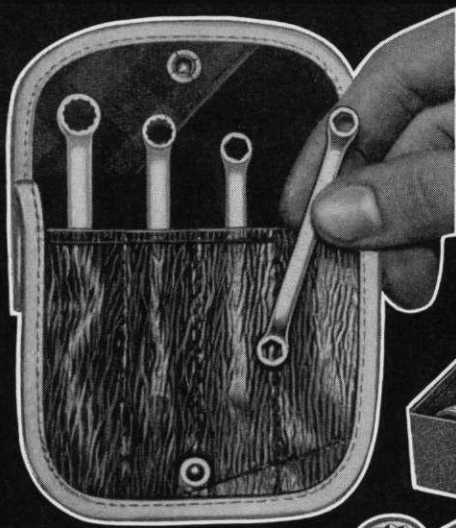
It contains six wrenches in a strong, cardboard box, one each of the following being included:

|           |           |           |
|-----------|-----------|-----------|
| Nos. 2890 | Nos. 2892 | Nos. 2894 |
| 2891      | 2893      | 2895      |



*The Finest that  
Money Can Buy*

## BONNEY BOX WRENCH SETS



No. 21 Set



No. Z34 Set



### No. 21 Set

4 Pieces

A set of four extra-small box wrenches, that are ideal for work on ignition systems, generators, starters, heaters, etc.

They are drop forged of Bonney 'CV' Chrome-Vanadium Steel, heavily chrome plated and with polished heads. The two smaller sizes have single hexagon openings, while the two larger sizes have double hexagon openings.

Included are one each wrenches:

Nos. E40

Nos. E44

E42

E46

They are packed in a convenient leatherette roll or handy cardboard box.

### No. Z34 Set

12 Pieces

THE No. Z34 Bonney Box Wrench Set is an assortment of twelve double end box wrenches for practically all general purpose work.

It contains nine ZENEL long type box wrenches with one end offset and three Bonaloy short type box wrenches with both ends offset. The long type wrenches have the same size double hexagon opening in each end, while the short type wrenches have different size openings in each end. They are heavily chrome plated and have polished heads.

Included are one each of the following:

Nos. Z2814

Nos. Z2822

Nos. Z2830

Z2816

Z2824

2804

Z2818

Z2826

2805

Z2820

Z2828

2806

They may be had in a cardboard box or a sturdy, attractively finished metal box which measures  $13\frac{3}{4}'' \times 5\frac{1}{8}'' \times 1\frac{5}{8}''$ .

Net Weight in Cardboard Box  $5\frac{3}{8}$  lbs.

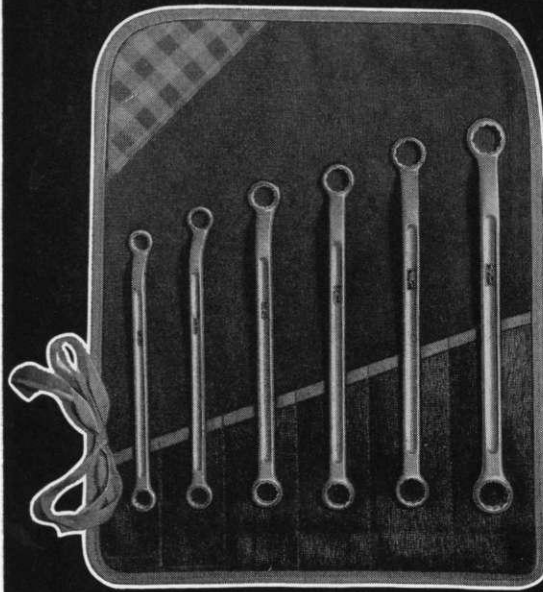
Net Weight in Metal Box 8 lbs.



## BONNEY BOX WRENCH SETS



*The Finest that  
Money Can Buy*



No. Z31 Set

No. Z33 Set



No. Z31 Set

6 Pieces

**T**HE No. Z31 Box Wrench Set is an assortment of six long, double end box wrenches with one end offset. The wrenches are drop forged of ZENEL Steel, the toughest, hard wrench steel ever developed. Light in weight and unusually thin, they are especially adapted for work in "hard-to-get-at" places and will stand up under the most severe strains.

They have the same size double hexagon openings in both ends, ranging from  $\frac{7}{16}$ " to  $\frac{3}{4}$ ". One each of the following wrenches are included:

|            |            |
|------------|------------|
| Nos. Z2814 | Nos. Z2820 |
| Z2816      | Z2822      |
| Z2818      | Z2824      |

They are heavily chrome plated, with heads buffed to a high, permanent lustre. Can be had in handy, leatherette roll or strong, cardboard box.

No. Z33 Set

9 Pieces

**T**HE No. Z33 Box Wrench Set is an assortment of nine long type, double end box wrenches with one end offset. All are drop forged of ZENEL Steel, are light in weight, unusually strong and have thin, panelled handles that assure a firm, comfortable grip. They are fully chrome plated, the heads being buffed to a high, permanent lustre. These wrenches have the same size double hexagon opening in each end. One each of the following numbers are included:

|            |            |            |
|------------|------------|------------|
| Nos. Z2814 | Nos. Z2820 | Nos. Z2826 |
| Z2816      | Z2822      | Z2828      |
| Z2818      | Z2824      | Z2830      |

Furnished in an attractively finished, strong metal box measuring  $13\frac{3}{4}$ " x  $5\frac{1}{8}$ " x  $1\frac{5}{8}$ " or in cardboard box.

Net weight, in Metal box  $7\frac{1}{2}$  lbs.

Net weight, in cardboard box 5 lbs.



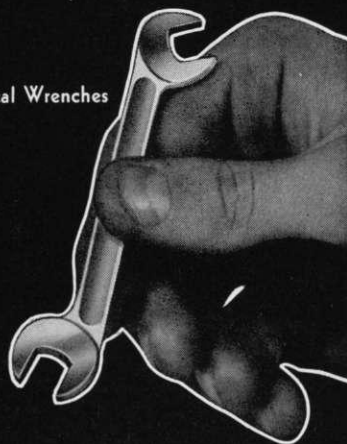
*The Finest that  
Money Can Buy*

## ZENEL MINIATURE and ELECTRICAL WRENCHES

ZENEL Miniature Wrenches



ZENEL Electrical Wrenches



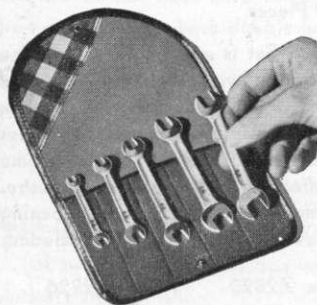
### ZENEL Miniature Wrenches

**BONNEY ZENEL** Miniature Wrenches are ideal for delicate work such as adjustments on magnetos, generators, radios, timers, air cleaners, carburetors, electrical parts and similar jobs.

Bonney Miniature Wrenches are drop forged of ZENEL, the hardest, tough wrench steel on the market. They are fully guaranteed. Designed with concave handles to insure a secure grip, they have narrow pear-shaped heads and are perfectly balanced. They are fully chrome-plated with polished heads and have different size openings in each end.

| Wrench No. | Openings Milled | Length | Thickness Heads |
|------------|-----------------|--------|-----------------|
| H10        | 3/16 & 7/32     | 2 1/2" | 3/32"           |
| H12        | 1/4 & 9/32      | 3"     | 5/32"           |
| H14        | 5/16 & 11/32    | 3 3/4" | 3/16"           |
| H15        | 9/32 & 3/8      | 3 3/4" | 3/16"           |
| H16        | 3/8 & 7/16      | 4 1/8" | 7/32"           |
| H18        | 13/32 & 15/32   | 4 1/8" | 7/32"           |

### No. 20 Miniature Wrench Set



The No. 20 Bonney Miniature Wrench Set is exceptionally useful for work on radios, magnetos, generators, air cleaners and similar types of work.

It contains five ZENEL Miniature Open End Wrenches, one each:

Nos. H10      No. H14  
H12            H16  
Nos. H18

with openings listed in the table above.

### ZENEL Electrical Wrenches

**BONNEY** Electrical Wrenches are drop forged of ZENEL Steel and are designed to take care of practically any wrench requirements for that class of work. They have different size openings in each end—one being placed at 15° angle, the other at 60° angle.

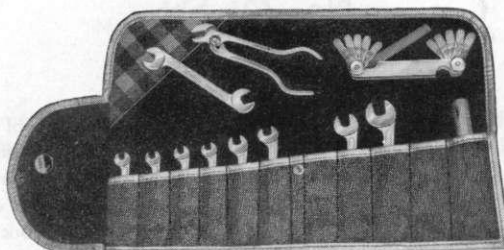
They are carefully heat treated, fully chrome plated with buffed heads and are fully guaranteed.

| Wrench No. | Openings |         | Length | Thickness |
|------------|----------|---------|--------|-----------|
|            | 15° End  | 60° End |        |           |
| E14        | 13/64"   | 15/64"  | 3"     | 7/64"     |
| E16        | 15/64"   | 13/64"  | 3"     | 7/64"     |
| E18        | 7/32"    | 1/4"    | 3"     | 7/64"     |
| E20        | 1/4"     | 7/32"   | 3"     | 7/64"     |
| E22        | 9/32"    | 5/16"   | 3 1/2" | 1/8"      |
| E24        | 5/16"    | 9/32"   | 3 1/2" | 1/8"      |
| E26        | 11/32"   | 3/8"    | 4"     | 9/64"     |
| E28        | 3/8"     | 11/32"  | 4"     | 9/64"     |
| E30        | 7/16"    | 1/2"    | 4 1/2" | 5/32"     |

### Electrical Wrench Sets

#### No. 15 Set

12 Pieces



This is the most complete electrical set offered—contains 9 ZENEL Wrenches, one screw driver, an ignition plier and an ignition feeler gauge. It may be had in cardboard box or leatherette roll. Included are one each:

No. E14 Wrench      No. E26 Wrench  
E16 "                  E28 "  
E18 "                  E30 "  
E20 "                  001 Pocket Size Screw Driver  
E22 "                  B424 Channellock Ignition Plier  
E24 "                  K52 Ignition Feeler Gauge

#### No. 16 Set

9 Pieces

This set is exactly the same as the No. 15 set except that it consists of the electrical wrenches only. One each of the following are included—Nos. E14, E16, E18, E20, E22, E24, E26, E28 and E30.

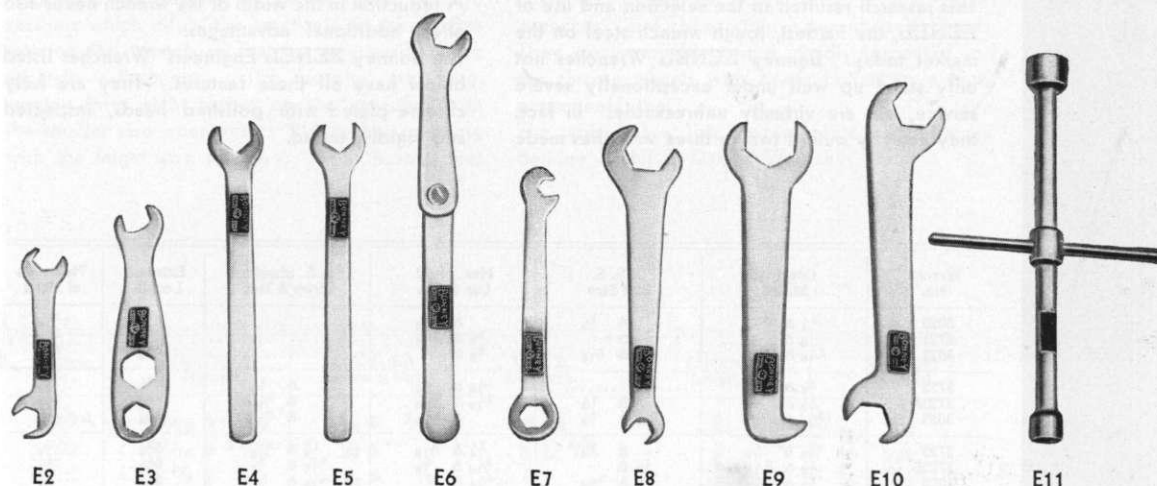


*The Finest that  
Money Can Buy*

## IGNITION WRENCHES

**B**ONNEY Ignition Wrenches are designed to take care of specialized operations in the repair of starters, generators, etc. of various types, as listed in the table below. All are forged of 'CV' Chrome-Vanadium Steel, chrome plated. Every mechanic should include in his tool kit a complete set of these wrenches to take care of the ignition work which

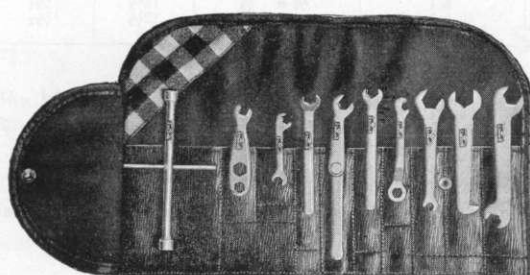
comes into his shop. The table below lists the various wrenches available and the ignition systems for which they are adapted.



| No. | Description                 | No. | Description                  |
|-----|-----------------------------|-----|------------------------------|
| E2  | Northeast, Splitdorf, Bosch | E7  | Bosch Du 4 or Du 6, Autolite |
| E3  | Eisemann                    | E8  | Delco-Remy                   |
| E4  | Remy, Wagner                | E9  | Remy Cam                     |
| E5  | Remy, Wagner                | E10 | Autolite Generator           |
| E6  | Ford, Third Brush           | E11 | Bosch                        |

### No. 18 Ignition Set

10 Pieces



The Bonney No. 18 Ignition Set contains ten ignition wrenches, all made of 'CV' Chrome-Vanadium Steel. They are designed for work on the most popular ignition and electrical systems, such as Autolite, Bosch, Delco, Eisemann, Northeast, Remy, Splitdorf, Westinghouse, etc. Each wrench is designed to be the most efficient for its particular application. They are light in weight and so strong that they are fully guaranteed.

Contains one each of the following:

|         |         |         |
|---------|---------|---------|
| Nos. E2 | Nos. E5 | Nos. E9 |
| E3      | E6      | E10     |
| E4      | E7      | E11     |
|         | E8      |         |

### No. B424 Ignition Plier



← Note the Channellock



Drop forged from finest quality alloy steel, carefully heat-treated, this plier has unusual strength because of the patented Channellock design.

The strain is removed from the bolt because of the Channellock feature, and there is no danger of the bolt breaking.

Has polished finish—four adjustments. Length 4½". Net weight 1⅓ ounces.





*The Finest that  
Money Can Buy*



## ZENEL ENGINEERS' WRENCHES

**B**ONNEY ZENEL Wrenches are the culmination of years of research and experimentation

by Bonney engineers and metallurgists to discover a wrench steel that is the ultimate in toughness, wear resisting properties and strength. This research resulted in the selection and use of ZENEL, the hardest, tough wrench steel on the market today. Bonney ZENEL Wrenches not only stand up well under exceptionally severe service, but are virtually unbreakable. In fact, they actually outlast two or three wrenches made

from ordinary steels.

By taking advantage of the peculiar properties of this new steel, Bonney has been able to redesign the wrenches themselves. As a result, all ZENEL Wrenches have a handle section which is concave, and which allows the mechanic to obtain a firm, comfortable grip on the wrench. A reduction in the width of the wrench heads also offers additional advantages.

The Bonney ZENEL Engineers' Wrenches listed below have all these features. They are fully chrome plated with polished heads, inspected and rigidly tested.

| Wrench No. | Openings Milled                   | U. S. S. Bolt Size             | Hex. Head Cap Screw              | S.A.E. Standard Screw & Nut | Extreme Length  | Thickness of Head |
|------------|-----------------------------------|--------------------------------|----------------------------------|-----------------------------|-----------------|-------------------|
| 3020       | $\frac{1}{4}$ & $\frac{5}{16}$    | $\frac{1}{8}$ & $\frac{1}{8}$  | $\frac{1}{8}$ & $\frac{3}{16}$   | $\frac{41}{4}$              | $\frac{3}{16}$  |                   |
| 3721       | $\frac{5}{16}$ & $\frac{3}{8}$    | $\frac{1}{8}$ & $\frac{3}{16}$ | $\frac{1}{8}$ & $\frac{3}{16}$   | $\frac{41}{4}$              | $\frac{3}{16}$  |                   |
| 3021       | $\frac{5}{16}$ & $\frac{13}{32}$  | $\frac{1}{8}$ & $\frac{3}{16}$ | $\frac{1}{8}$ & $\frac{3}{16}$   | $\frac{41}{4}$              | $\frac{3}{16}$  |                   |
| 3723       | $\frac{3}{8}$ & $\frac{7}{16}$    | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{3}{16}$ & $\frac{1}{4}$   | $\frac{43}{4}$              | $\frac{7}{32}$  |                   |
| 3723A      | $\frac{3}{8}$ & $\frac{1}{2}$     | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{3}{16}$ & $\frac{5}{16}$  | $\frac{43}{4}$              | $\frac{7}{32}$  |                   |
| 3023       | $\frac{13}{32}$ & $\frac{1}{2}$   | $\frac{3}{16}$ & $\frac{1}{4}$ | $\frac{3}{16}$ & $\frac{5}{16}$  | $\frac{43}{4}$              | $\frac{7}{32}$  |                   |
| 3725       | $\frac{7}{16}$ & $\frac{1}{2}$    | $\frac{1}{4}$ & $\frac{1}{4}$  | $\frac{1}{4}$ & $\frac{5}{16}$   | $\frac{53}{4}$              | $\frac{1}{4}$   |                   |
| 3725B      | $\frac{1}{2}$ & $\frac{9}{16}$    | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$   | $\frac{53}{4}$              | $\frac{1}{4}$   |                   |
| 3025       | $\frac{1}{2}$ & $\frac{19}{32}$   | $\frac{1}{4}$ & $\frac{5}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$   | $\frac{53}{4}$              | $\frac{1}{4}$   |                   |
| 3727       | $\frac{9}{16}$ & $\frac{5}{8}$    | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{3}{8}$ & $\frac{7}{16}$   | 7                           | $\frac{9}{32}$  |                   |
| 3027C      | $\frac{9}{16}$ & $\frac{11}{16}$  | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{3}{8}$ & $\frac{7}{16}$   | 7                           | $\frac{9}{32}$  |                   |
| 3027       | $\frac{19}{32}$ & $\frac{11}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$ | $\frac{3}{8}$ & $\frac{7}{16}$   | 7                           | $\frac{9}{32}$  |                   |
| 3028S      | $\frac{5}{8}$ & $\frac{25}{32}$   | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{7}{16}$ & $\frac{1}{2}$   | 8                           | $\frac{5}{16}$  |                   |
| 3729       | $\frac{5}{8}$ & $\frac{3}{4}$     | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{7}{16}$ & $\frac{1}{2}$   | 8                           | $\frac{5}{16}$  |                   |
| 3029       | $\frac{11}{16}$ & $\frac{25}{32}$ | $\frac{3}{8}$ & $\frac{7}{16}$ | $\frac{7}{16}$ & $\frac{1}{2}$   | 8                           | $\frac{5}{16}$  |                   |
| 3731       | $\frac{3}{4}$ & $\frac{13}{16}$   | $\frac{1}{2}$ & $\frac{1}{2}$  | $\frac{1}{2}$ & $\frac{9}{16}$   | $\frac{91}{2}$              | $\frac{3}{8}$   |                   |
| 3731A      | $\frac{3}{4}$ & $\frac{7}{8}$     | $\frac{1}{2}$ & $\frac{1}{2}$  | $\frac{1}{2}$ & $\frac{9}{16}$   | $\frac{91}{2}$              | $\frac{3}{8}$   |                   |
| 3031       | $\frac{25}{32}$ & $\frac{7}{8}$   | $\frac{1}{2}$ & $\frac{1}{2}$  | $\frac{1}{2}$ & $\frac{9}{16}$   | $\frac{91}{2}$              | $\frac{3}{8}$   |                   |
| 3033A      | $\frac{7}{8}$ & $\frac{15}{16}$   | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{5}{8}$   | $\frac{91}{2}$              | $\frac{3}{8}$   |                   |
| 3033       | $\frac{7}{8}$ & $\frac{31}{32}$   | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{5}{8}$   | $\frac{91}{2}$              | $\frac{3}{8}$   |                   |
| 3733       | $\frac{7}{8}$ & 1                 | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{11}{16}$ | 11                          | $\frac{15}{32}$ |                   |
| 3033C      | $\frac{15}{16}$ & 1               | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{11}{16}$ | 11                          | $\frac{15}{32}$ |                   |
| 3034       | $\frac{7}{8}$ & $\frac{11}{16}$   | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{11}{16}$ | 11                          | $\frac{15}{32}$ |                   |
| 3034A      | $\frac{15}{16}$ & $\frac{11}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{11}{16}$ | 11                          | $\frac{15}{32}$ |                   |
| 3035       | $\frac{31}{32}$ & $\frac{11}{16}$ | $\frac{1}{2}$ & $\frac{9}{16}$ | $\frac{9}{16}$ & $\frac{11}{16}$ | 11                          | $\frac{15}{32}$ |                   |
| 3735       | 1 & $\frac{11}{8}$                | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{3}{4}$ & $\frac{7}{8}$    | $\frac{121}{2}$             | $\frac{17}{32}$ |                   |
| 3037       | $\frac{11}{16}$ & $\frac{11}{4}$  | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{3}{4}$ & $\frac{7}{8}$    | $\frac{121}{2}$             | $\frac{17}{32}$ |                   |
| 3737       | $\frac{11}{8}$ & $\frac{11}{4}$   | $\frac{5}{8}$ & $\frac{3}{4}$  | $\frac{3}{4}$ & $\frac{7}{8}$    | $\frac{121}{2}$             | $\frac{17}{32}$ |                   |

### No. Z25 Wrench Set

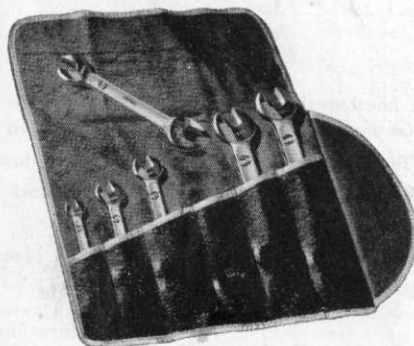
Bonney Engineers' Set No. Z25 contains six ZENEL Engineers' Wrenches as follows:

Nos. 3723  
3025  
3027C

Nos. 3028S  
3731A  
3033C

as listed in the table above.

This set is supplied either in cardboard box or handy leatherette roll.



### No. Z26 Wrench Set

The No. Z26 Bonney Wrench Set is very complete, containing eight ZENEL Engineers' Wrenches as follows:

Nos. 3723  
3725  
3725B  
3025

Nos. 3727  
3729  
3029  
3731A

as listed in the table above.



## ZENEL TAPPET WRENCHES

*The Finest that  
Money Can Buy*

**B**ONNEY Tappet Wrenches of the 3420 series are made of ZENEL, the Bonney Wrench Steel described on the previous page. The handles of this series of Bonney Wrenches have concave sections which allow the mechanic to take a firm grip on the wrench so that he may easily make accurate adjustments. The handles are long, ranging from eight inches on the wrenches with the smaller size openings to 9½ inches on those with the larger size openings. All these tappet

wrenches have their openings at an angle of 15°, and have different size openings in each end. Bonney ZENEL Tappet Wrenches are perfectly balanced, lighter in weight than ordinary steel wrenches, and have thin, pear-shaped heads. They are thoroughly tested, rigidly inspected and are chrome plated with heads buffed to a high, permanent lustre. The table below lists the complete 3420 line of Bonney ZENEL Tappet Wrenches.

| Wrench No. | Openings Milled | S. A. E. Std. Screw & Nut | U. S. S. Bolt Size | Extreme Length | Thickness of Head |
|------------|-----------------|---------------------------|--------------------|----------------|-------------------|
| 3420A      | 7/16 & 1/2      | 1/4 & 5/16                | & 1/4              | 8              | 5/32              |
| 3420       | 7/16 & 17/32    | 1/4 & 5/16                | .....              | 8              | 5/32              |
| 3422       | 1/2 & 9/16      | 5/16 & 3/8                | 1/4 & 5/16         | 8              | 5/32              |
| 3424B      | 9/16 & 5/8      | 3/8 & 7/16                | .....              | 8½             | 3/16              |
| 3424       | 5/8 & 11/16     | 7/16 & 1/2                | & 3/8              | 8½             | 3/16              |
| 3424A      | 5/8 & 3/4       | 7/16 & 1/2                | .....              | 8½             | 3/16              |
| 3425       | 3/4 & 13/16     | 1/2 & 5/8                 | .....              | 9              | 7/32              |
| 3426       | 3/4 & 7/8       | 1/2 & 9/16                | & 1/2              | 9              | 7/32              |
| 3428       | 15/16 & 1       | 5/8 & 11/16               | .....              | 9½             | 7/32              |



### No. Z22 Tappet Wrench Set

The No. Z22 Tappet Wrench Set contains six Bonney ZENEL Tappet Wrenches, two each of the following wrenches making up the set:

Nos. 3422                      3424                      3426

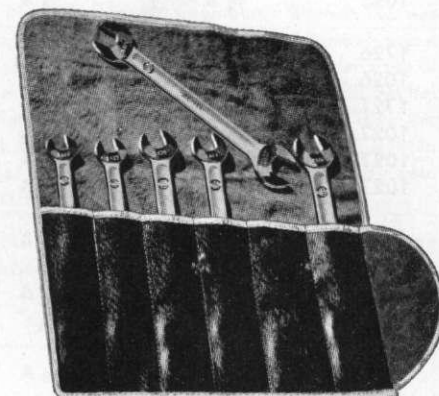
with openings as listed in the table above.

### No. Z23 Tappet Wrench Set

The No. Z23 Tappet Wrench Set contains two each of four sizes of the No. 3420 series ZENEL Tappet Wrenches as follows:

Nos. 3420                      Nos. 3424  
3422                              3426

They have openings as listed in the table above.



*The Finest that Money Can Buy*



## 'CV' Chrome-Vanadium ENGINEERS' WRENCHES



**BONNEY 'CV' Chrome-Vanadium Engineers' Wrenches** are thinner, longer and stronger than carbon steel wrenches with the same size opening. The use of Bonney 'CV' Chrome-Vanadium Steel allows refinement of design both in the shape and the thickness of the wrench head. In addition, the thin, pear-shaped head, made possible by the use of this steel, makes the Bonney 'CV' Line lighter, better

balanced and more serviceable. This is especially important where it is necessary to work in confined places and still have exceptional strength in the wrench. All Bonney 'CV' Engineers' Wrenches are chrome plated with heads buffed to a high, permanent lustre, are rigidly inspected and are fully guaranteed.

| No.   | Openings<br>Milled                | U. S. S.<br>Bolt Size           | Hex. Head<br>Cap Screw          | S. A. E. Std.<br>Screw & Nut    | Extreme<br>Length | Thickness<br>of Head |
|-------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------|----------------------|
| 1020  | $\frac{1}{4}$ & $\frac{5}{16}$    | & $\frac{1}{8}$                 | & $\frac{1}{8}$                 | .....                           | 3                 | $\frac{5}{32}$       |
| 1721  | $\frac{5}{16}$ & $\frac{3}{8}$    | $\frac{1}{8}$ &                 | $\frac{1}{8}$ & $\frac{3}{16}$  | .....                           | $\frac{3}{8}$     | $\frac{3}{16}$       |
| 1021  | $\frac{5}{16}$ & $\frac{13}{32}$  | $\frac{1}{8}$ & $\frac{3}{16}$  | $\frac{1}{8}$ &                 | .....                           | $\frac{3}{8}$     | $\frac{3}{16}$       |
| 1722  | $\frac{5}{16}$ & $\frac{7}{16}$   | $\frac{1}{8}$ &                 | $\frac{1}{8}$ & $\frac{1}{4}$   | & $\frac{1}{4}$                 | $\frac{4}{8}$     | $\frac{7}{32}$       |
| 1723  | $\frac{3}{8}$ & $\frac{7}{16}$    | .....                           | $\frac{3}{16}$ & $\frac{1}{4}$  | & $\frac{1}{4}$                 | $\frac{4}{8}$     | $\frac{7}{32}$       |
| 1022  | $\frac{5}{16}$ & $\frac{1}{2}$    | $\frac{1}{8}$ & $\frac{1}{4}$   | $\frac{1}{8}$ & $\frac{5}{16}$  | & $\frac{5}{16}$                | $\frac{4}{2}$     | $\frac{7}{32}$       |
| 1023  | $\frac{13}{32}$ & $\frac{1}{2}$   | $\frac{3}{16}$ & $\frac{1}{4}$  | & $\frac{5}{16}$                | & $\frac{5}{16}$                | $\frac{4}{2}$     | $\frac{7}{32}$       |
| 1723A | $\frac{3}{8}$ & $\frac{1}{2}$     | & $\frac{1}{4}$                 | $\frac{3}{16}$ & $\frac{5}{16}$ | & $\frac{5}{16}$                | $\frac{4}{2}$     | $\frac{7}{32}$       |
| 1024  | $\frac{13}{32}$ & $\frac{19}{32}$ | $\frac{3}{16}$ & $\frac{5}{16}$ | .....                           | $\frac{5}{8}$                   | $\frac{15}{64}$   |                      |
| 1725  | $\frac{7}{16}$ & $\frac{1}{2}$    | & $\frac{1}{4}$                 | $\frac{1}{4}$ & $\frac{5}{16}$  | $\frac{1}{4}$ & $\frac{5}{16}$  | $\frac{5}{8}$     | $\frac{15}{64}$      |
| 1725A | $\frac{7}{16}$ & $\frac{9}{16}$   | .....                           | $\frac{1}{4}$ & $\frac{3}{8}$   | $\frac{1}{4}$ & $\frac{3}{8}$   | $\frac{5}{8}$     | $\frac{15}{64}$      |
| 1725B | $\frac{1}{2}$ & $\frac{9}{16}$    | $\frac{1}{4}$ &                 | $\frac{5}{16}$ & $\frac{3}{8}$  | $\frac{5}{16}$ & $\frac{3}{8}$  | $\frac{6}{8}$     | $\frac{1}{4}$        |
| 1025  | $\frac{1}{2}$ & $\frac{19}{32}$   | $\frac{1}{4}$ & $\frac{5}{16}$  | $\frac{5}{16}$ &                | $\frac{5}{16}$ &                | $\frac{6}{8}$     | $\frac{1}{4}$        |
| 1726  | $\frac{1}{2}$ & $\frac{5}{8}$     | $\frac{1}{4}$ &                 | $\frac{5}{16}$ & $\frac{7}{16}$ | $\frac{5}{16}$ & $\frac{7}{16}$ | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1026  | $\frac{1}{2}$ & $\frac{11}{16}$   | $\frac{1}{4}$ & $\frac{3}{8}$   | $\frac{5}{16}$ &                | $\frac{5}{16}$ &                | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1727  | $\frac{9}{16}$ & $\frac{5}{8}$    | .....                           | $\frac{3}{8}$ & $\frac{7}{16}$  | $\frac{3}{8}$ & $\frac{7}{16}$  | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1027A | $\frac{5}{8}$ & $\frac{11}{16}$   | & $\frac{3}{8}$                 | $\frac{7}{16}$ &                | $\frac{7}{16}$ &                | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1027  | $\frac{19}{32}$ & $\frac{11}{16}$ | $\frac{5}{16}$ & $\frac{3}{8}$  | .....                           | .....                           | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1027C | $\frac{9}{16}$ & $\frac{11}{16}$  | & $\frac{3}{8}$                 | $\frac{3}{8}$ &                 | $\frac{3}{8}$ &                 | $\frac{6}{2}$     | $\frac{9}{32}$       |
| 1028  | $\frac{19}{32}$ & $\frac{25}{32}$ | $\frac{5}{16}$ & $\frac{7}{16}$ | .....                           | .....                           | $\frac{7}{2}$     | $\frac{5}{16}$       |
| 1728  | $\frac{9}{16}$ & $\frac{3}{4}$    | .....                           | $\frac{3}{8}$ & $\frac{1}{2}$   | $\frac{3}{8}$ & $\frac{1}{2}$   | $\frac{7}{2}$     | $\frac{5}{16}$       |
| 1028S | $\frac{5}{8}$ & $\frac{25}{32}$   | & $\frac{7}{16}$                | $\frac{7}{16}$ &                | $\frac{7}{16}$ &                | $\frac{7}{2}$     | $\frac{5}{16}$       |
| 1729  | $\frac{5}{8}$ & $\frac{3}{4}$     | .....                           | $\frac{7}{16}$ & $\frac{1}{2}$  | $\frac{7}{16}$ & $\frac{1}{2}$  | $\frac{7}{2}$     | $\frac{5}{16}$       |
| 1029  | $\frac{11}{16}$ & $\frac{25}{32}$ | $\frac{3}{8}$ & $\frac{7}{16}$  | .....                           | .....                           | $\frac{8}{4}$     | $\frac{5}{16}$       |
| 1730  | $\frac{5}{8}$ & $\frac{13}{16}$   | .....                           | $\frac{7}{16}$ & $\frac{9}{16}$ | $\frac{7}{16}$ &                | $\frac{8}{4}$     | $\frac{5}{16}$       |



# 'CV' Chrome-Vanadium ENGINEERS' WRENCHES



*The Finest that  
Money Can Buy*

| No.   | Openings<br>Milled                | U. S. S.<br>Bolt Size           | Hex. Head<br>Cap Screw           | S. A. E. Std.<br>Screw & Nut    | Extreme<br>Length | Thickness<br>of Head |
|-------|-----------------------------------|---------------------------------|----------------------------------|---------------------------------|-------------------|----------------------|
| 1030D | $1\frac{1}{16}$ & $1\frac{3}{16}$ | $\frac{3}{8}$ &                 | & $\frac{9}{16}$                 | .....                           | $\frac{5}{16}$    |                      |
| 1030  | $1\frac{1}{16}$ & $\frac{7}{8}$   | $\frac{3}{8}$ & $\frac{1}{2}$   | & $\frac{5}{8}$                  | & $\frac{9}{16}$                | $\frac{5}{16}$    |                      |
| 1731  | $\frac{3}{4}$ & $1\frac{3}{16}$   | .....                           | $\frac{1}{2}$ & $\frac{9}{16}$   | $\frac{1}{2}$ &                 | $1\frac{3}{32}$   |                      |
| 1731A | $\frac{3}{4}$ & $\frac{7}{8}$     | & $\frac{1}{2}$                 | $\frac{1}{2}$ & $\frac{5}{8}$    | $\frac{1}{2}$ & $\frac{9}{16}$  | $1\frac{3}{32}$   |                      |
| 1031  | $\frac{25}{32}$ & $\frac{7}{8}$   | $\frac{7}{16}$ & $\frac{1}{2}$  | & $\frac{5}{8}$                  | & $\frac{9}{16}$                | $1\frac{3}{32}$   |                      |
| 1731B | $1\frac{3}{16}$ & $\frac{7}{8}$   | & $\frac{1}{2}$                 | $\frac{9}{16}$ & $\frac{5}{8}$   | & $\frac{9}{16}$                | $1\frac{3}{32}$   |                      |
| 1732A | $\frac{3}{4}$ & 1                 | .....                           | $\frac{1}{2}$ & $\frac{3}{4}$    | $\frac{1}{2}$ & $1\frac{1}{16}$ | $\frac{7}{16}$    |                      |
| 1032  | $\frac{25}{32}$ & $\frac{31}{32}$ | $\frac{7}{16}$ & $\frac{9}{16}$ | .....                            | 10                              | $\frac{7}{16}$    |                      |
| 1732  | $1\frac{13}{16}$ & 1              | .....                           | $\frac{9}{16}$ & $\frac{3}{4}$   | .....                           | $\frac{7}{16}$    |                      |
| 1033A | $\frac{7}{8}$ & $1\frac{5}{16}$   | $\frac{1}{2}$ &                 | $\frac{9}{16}$ & $\frac{5}{8}$   | 10                              | $\frac{7}{16}$    |                      |
| 1033  | $\frac{7}{8}$ & $\frac{31}{32}$   | $\frac{1}{2}$ & $\frac{9}{16}$  | $\frac{5}{8}$ &                  | $\frac{9}{16}$ &                | $\frac{7}{16}$    |                      |
| 1733  | $\frac{7}{8}$ & 1                 | $\frac{1}{2}$ &                 | $\frac{9}{16}$ & $1\frac{1}{16}$ | $10\frac{1}{2}$                 | $1\frac{5}{32}$   |                      |
| 1033C | $1\frac{5}{16}$ & 1               | .....                           | & $\frac{3}{4}$                  | $\frac{5}{8}$ & $1\frac{1}{16}$ | $10\frac{1}{2}$   | $1\frac{5}{32}$      |
| 1034  | $\frac{7}{8}$ & $1\frac{1}{16}$   | $\frac{1}{2}$ & $\frac{5}{8}$   | $\frac{5}{8}$ &                  | $\frac{9}{16}$ & $\frac{3}{4}$  | $1\frac{5}{32}$   |                      |
| 1734  | $\frac{7}{8}$ & $1\frac{1}{8}$    | $\frac{1}{2}$ &                 | $\frac{5}{8}$ & $\frac{7}{8}$    | $\frac{9}{16}$ &                | $1\frac{5}{32}$   |                      |
| 1034A | $1\frac{5}{16}$ & $1\frac{1}{16}$ | & $\frac{5}{8}$                 | .....                            | $\frac{5}{8}$ & $\frac{3}{4}$   | $10\frac{1}{2}$   | $1\frac{5}{32}$      |
| 1035  | $\frac{31}{32}$ & $1\frac{1}{16}$ | $\frac{9}{16}$ & $\frac{5}{8}$  | .....                            | & $\frac{3}{4}$                 | $10\frac{1}{2}$   | $1\frac{5}{32}$      |
| 1735  | 1 & $1\frac{1}{8}$                | .....                           | $\frac{3}{4}$ & $\frac{7}{8}$    | $1\frac{1}{16}$ &               | 12                | $1\frac{7}{32}$      |
| 1036  | $\frac{31}{32}$ & $1\frac{1}{4}$  | $\frac{9}{16}$ & $\frac{3}{4}$  | & 1                              | & $\frac{7}{8}$                 | 12                | $1\frac{7}{32}$      |
| 1736  | 1 & $1\frac{1}{4}$                | & $\frac{3}{4}$                 | $\frac{3}{4}$ & 1                | $1\frac{1}{16}$ & $\frac{7}{8}$ | 12                | $1\frac{7}{32}$      |
| 1037  | $1\frac{1}{16}$ & $1\frac{1}{4}$  | $\frac{5}{8}$ & $\frac{3}{4}$   | & 1                              | $\frac{3}{4}$ & $\frac{7}{8}$   | 12                | $1\frac{7}{32}$      |
| 1737  | $1\frac{1}{8}$ & $1\frac{1}{4}$   | & $\frac{3}{4}$                 | $\frac{7}{8}$ & 1                | & $\frac{7}{8}$                 | 12                | $1\frac{7}{32}$      |
| 1037F | $1\frac{1}{8}$ & $1\frac{3}{8}$   | .....                           | $\frac{7}{8}$ & $1\frac{1}{8}$   | .....                           | 12                | $1\frac{7}{32}$      |
| 1037E | $1\frac{3}{16}$ & $1\frac{5}{16}$ | .....                           | .....                            | .....                           | 12                | $1\frac{7}{32}$      |
| 1038  | $1\frac{1}{16}$ & $1\frac{7}{16}$ | $\frac{5}{8}$ & $\frac{7}{8}$   | .....                            | $\frac{3}{4}$ & 1               | 14                | $\frac{9}{16}$       |
| 1738  | $1\frac{1}{8}$ & $1\frac{3}{8}$   | .....                           | $\frac{7}{8}$ & $1\frac{1}{8}$   | .....                           | 14                | $\frac{9}{16}$       |
| 1739  | $1\frac{1}{4}$ & $1\frac{3}{8}$   | $\frac{3}{4}$ &                 | 1 & $1\frac{1}{8}$               | $\frac{7}{8}$ &                 | 14                | $\frac{9}{16}$       |
| 1039  | $1\frac{1}{4}$ & $1\frac{7}{16}$  | $\frac{3}{4}$ & $\frac{7}{8}$   | 1 &                              | $\frac{7}{8}$ & 1               | 14                | $\frac{9}{16}$       |
| 1739A | $1\frac{1}{4}$ & $1\frac{1}{2}$   | $\frac{3}{4}$ &                 | 1 & $1\frac{1}{4}$               | $\frac{7}{8}$ &                 | 14                | $\frac{9}{16}$       |
| 1739B | $1\frac{3}{8}$ & $1\frac{1}{2}$   | .....                           | $1\frac{1}{8}$ & $1\frac{1}{4}$  | .....                           | 14                | $\frac{9}{16}$       |
| 1040  | $1\frac{1}{4}$ & $1\frac{5}{8}$   | $\frac{3}{4}$ & 1               | 1 & $1\frac{3}{8}$               | $\frac{7}{8}$ & $1\frac{1}{8}$  | 14                | $\frac{9}{16}$       |
| 1041  | $1\frac{7}{16}$ & $1\frac{5}{8}$  | $\frac{7}{8}$ & 1               | & $1\frac{3}{8}$                 | 1 & $1\frac{1}{8}$              | $15\frac{1}{2}$   | $1\frac{3}{16}$      |



## No. 25 'CV' Chrome-Vanadium Engineers' Wrench Set

The No. 25 Bonney Engineers' Wrench Set was assembled to offer the mechanic and general user a wrench set to cover all of the most popular sizes of nuts and bolts. Every wrench in the No. 25 Set has a different size opening in each end. They are made of 'CV' Chrome-Vanadium Steel, are light in weight and have pear shaped heads to easily gain access to the "hard-to-get-at" places.

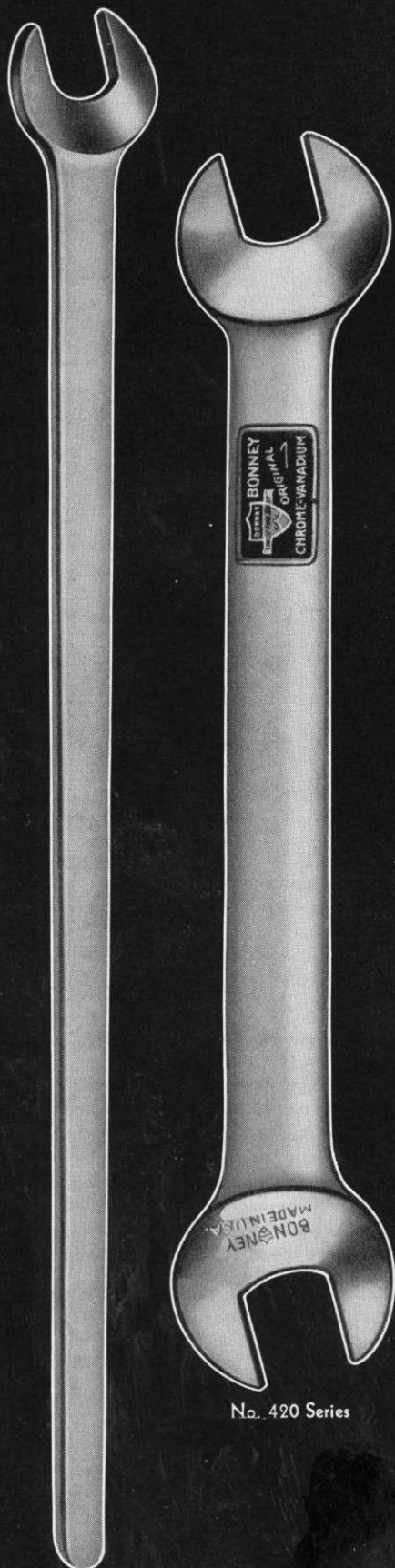
The No. 25 Set contains one each of the following wrenches:

Nos. 1723  
1025  
1027C

Nos. 1028S  
1731A  
1033C



*The Finest that  
Money Can Buy*



No. 420 Series

No. L402 Series

## No. 420 SERIES 'CV' Chrome-Vanadium TAPPET WRENCHES

EVERY wrench in the No. 420 Series has a different size opening in each end. The openings are at a 15° angle. The wrenches of the No. 420 Series also "step up" correspondingly in length. They are of exceptionally long design, have thin, pear-shaped heads and are fully guaranteed when used for tappet adjusting.

| Wrench Number | Openings Milled | S.A.E. Std. Screw & Nut | U. S. S. Bolt Size | Length | Thickness of Head |
|---------------|-----------------|-------------------------|--------------------|--------|-------------------|
| 420A          | 7/16 & 1/2      | 1/4 & 5/16              | & 1/4              | 8      | 5/32              |
| 420           | 7/16 & 17/32    | 1/4 & 5/16              | .....              | 8      | 5/32              |
| 422           | 1/2 & 9/16      | 5/16 & 3/8              | 1/4 & 5/16         | 8      | 5/32              |
| 424B          | 9/16 & 5/8      | 3/8 & 7/16              | .....              | 8 1/2  | 3/16              |
| 424           | 5/8 & 11/16     | 7/16 & 1/2              | & 3/8              | 8 1/2  | 3/16              |
| 424A          | 5/8 & 3/4       | 7/16 & 1/2              | .....              | 8 1/2  | 3/16              |
| 425           | 11/16 & 3/4     | 1/2 & 9/16              | 3/8 & 7/16         | 9      | 7/32              |
| 425A          | 3/4 & 13/16     | 1/2 & 9/16              | .....              | 9      | 7/32              |
| 426           | 3/4 & 7/8       | 1/2 & 9/16              | & 1/2              | 9      | 7/32              |
| 426A          | 13/16 & 7/8     | 5/8 & 11/16             | & 1/2              | 9      | 7/32              |
| 428           | 15/16 & 1       | 5/8 & 11/16             | .....              | 9 1/2  | 7/32              |

## No. 22 Tappet Wrench Set

The No. 22 Tappet Wrench Set is complete and adaptable to almost every make and model of passenger car and truck. It contains two each of the following No. 420 Series Tappet Wrenches:

No. 422 No. 424 No. 426 with openings as shown in the above table.

They are made of 'CV' Chrome-Vanadium Steel and "step-up" correspondingly in length to make tappet adjusting easier. All have openings set at 15°. Packed either in cardboard box or leatherette roll.



## No. L402 Series Extra Long Tappet Wrenches

These extra-long, thin, tappet wrenches are specially suited for tappet adjustments on late model cars where it is necessary to make adjustments from underneath the car. Heads are extremely thin, with openings at 22 1/2°. Made of 'CV' Chrome-Vanadium Steel, chrome plated, with polished heads.

| Wrench Number | Opening Milled | S. A. E. Std. Screw & Nut | U. S. S. Bolt Size | Extreme Length | Thickness of Head |
|---------------|----------------|---------------------------|--------------------|----------------|-------------------|
| L401A         | 7/16           | 1/4                       | .....              | 15             | 3/16              |
| L402          | 1/2            | 5/16                      | 1/4                | 15             | 3/16              |
| L403          | 9/16           | 3/8                       | .....              | 15             | 3/16              |
| L404          | 5/8            | 7/16                      | .....              | 15             | 3/16              |



# No. 401 SERIES 'CV' Chrome-Vanadium TAPPET WRENCHES

*The Finest that  
Money Can Buy*

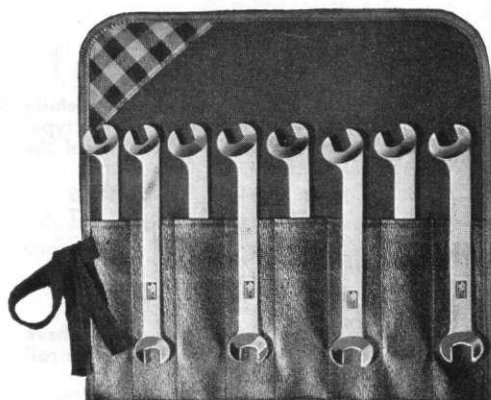
**B**ONNEY 'CV' Chrome-Vanadium Tappet Wrenches of the 401 Series are of the proper length (eight inches) therefore allow the mechanic to work clear of the motor when it is hot. The angle of the heads also allows him to reach around into normally inaccessible locations.

Most cars require three wrenches to make

complete tappet adjustments. Consequently, the 401 Series Tappet Wrenches are designed so that two may be worked like scissors with one hand while the third is used in the other hand. Both openings in this series are of the same size but are at different angles. One opening is straight, the other at 22½°.

| Wrench No. | Openings Milled | S.A.E. Std. Screw & Nut | U.S.S. Bolt Size | Extreme Length | Thickness of Head |
|------------|-----------------|-------------------------|------------------|----------------|-------------------|
| 401        | 3/8             | .....                   | .....            | 8              | 5/32              |
| 401A       | 7/16            | 1/4                     | .....            | 8              | 5/32              |
| 402        | 1/2             | 5/16                    | 1/4              | 8              | 5/32              |
| 402A       | 17/32           | .....                   | .....            | 8              | 5/32              |
| 403        | 9/16            | 3/8                     | .....            | 8              | 5/32              |
| 403A       | 19/32           | .....                   | 5/16             | 8              | 5/32              |
| 404        | 5/8             | 7/16                    | .....            | 8              | 3/16              |
| 404A       | 21/32           | .....                   | .....            | 8              | 3/16              |
| 405        | 11/16           | .....                   | 3/8              | 8              | 3/16              |
| 406        | 3/4             | 1/2                     | .....            | 8              | 7/32              |
| 406A       | 25/32           | .....                   | 7/16             | 8              | 7/32              |
| 407        | 13/16           | .....                   | .....            | 8              | 7/32              |
| 407A       | 7/8             | 9/16                    | 1/2              | 8              | 7/32              |
| 408        | 15/16           | 5/8                     | .....            | 8              | 7/32              |
| 408A       | 31/32           | .....                   | 9/16             | 8              | 7/32              |
| 409        | 1               | 11/16                   | .....            | 8              | 7/32              |

## No. 412 Tappet Wrench Set



The No. 412 Tappet Wrench Set will handle the tappet adjustments on a large number of makes of cars and trucks. It contains two each of four sizes of the No. 401 series as follows:

|          |          |
|----------|----------|
| Nos. 402 | Nos. 404 |
| 403      | 405      |

with openings as shown in the table above.

Both openings in each wrench are the same, but one opening is straight while the other is at 22½ degrees.

They are made of 'CV' Chrome-Vanadium Steel, chrome plated.

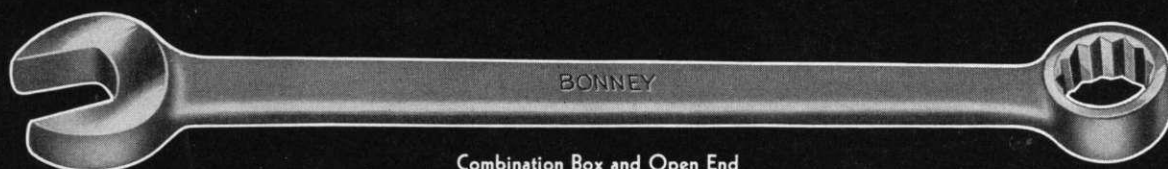




*The Finest that Money Can Buy*



## BONALLOY TUTYPE WRENCHES



Combination Box and Open End

**D**ROP-FORGED of Bonalloy Steel, heavily chrome-plated with buffed heads, the advantages of this type of wrench are readily apparent to the experienced mechanic. Providing an open end and box wrench, each with the same size opening in the same tool, permits using the end most applicable to the job on hand.

The wide range of sizes in which they may be had makes them

adaptable for work on carburetors, generators, manifolds, clutches and starters, as well as general service work on trucks, buses, farm, industrial, oil drilling and refinery equipment. The box end has double hexagon openings, with heads set at 15° to give proper clearance for obstructions. The open end is angled at 15° for efficiency.

| No.   | Openings | U. S. S. Bolt Size | U. S. S. Hex. Hd. Cap Screw; Size Screw | S. A. E. Std. Screw & Nut | American Std. Nuts; Size Bolt | American Std. Cap Screw; Size Screw | Length |
|-------|----------|--------------------|---|---------------------------|-------------------------------|-------------------------------------|--------|
| 1160  | 3/8      | .....              | 3/16                                    | .....                     | No. 10                        | .....                               | 5      |
| 1161  | 7/16     | .....              | 1/4                                     | 1/4                       | No. 12 & 1/4                  | 1/4                                 | 5 3/8  |
| 1162  | 1/2      | 1/4                | 5/16                                    | 5/16                      | .....                         | 5/16                                | 6      |
| 1163  | 9/16     | .....              | 3/8                                     | 3/8                       | 5/16                          | 3/8                                 | 6 3/4  |
| 1164  | 5/8      | .....              | 7/16                                    | 7/16                      | 3/8                           | 7/16                                | 7 3/4  |
| 1165  | 1 1/16   | 3/8                | .....                                   | .....                     | .....                         | .....                               | 8 5/8  |
| 1166  | 3/4      | .....              | 1/2                                     | 1/2                       | 7/16                          | 1/2                                 | 9 1/2  |
| 1167A | 1 3/16   | .....              | 9/16                                    | .....                     | 1/2                           | 9/16                                | 11     |
| 1167  | 7/8      | 1/2                | 5/8                                     | 9/16                      | 9/16                          | 5/8                                 | 11     |
| 1168  | 1 5/16   | .....              | .....                                   | 5/8                       | 5/8                           | .....                               | 13     |
| 1170  | 1        | .....              | 3/4                                     | 1 1/16                    | .....                         | 3/4                                 | 13     |
| 1171  | 1 1/16   | 5/8                | .....                                   | 3/4                       | .....                         | .....                               | 15     |
| 1172  | 1 1/8    | .....              | 7/8                                     | .....                     | 3/4                           | 7/8                                 | 15     |
| 1173  | 1 1/4    | 3/4                | 1                                       | 7/8                       | .....                         | .....                               | 18     |
| 1174  | 1 5/16   | .....              | .....                                   | .....                     | 7/8                           | 1                                   | 18     |
| 1176  | 1 7/16   | 7/8                | .....                                   | 1                         | .....                         | .....                               | 21     |

## TUTYPE WRENCH SETS

### No. 42 Set

8 Pieces

The eight Bonalloy TuType Wrenches in this set have been carefully selected to take care of the greatest requirements for wrenches of this type. Packed in a handy cardboard box or leatherette roll, one each of the following are included:

Nos. 1160  
1161

Nos. 1162  
1163

Nos. 1164  
1165

Nos. 1166  
1167

### No. 49 Set

5 Pieces

This set contains five Bonalloy TuType Wrenches with openings which have the greatest use in everyday work. The set is available in leatherette roll or cardboard box and includes one each wrenches:

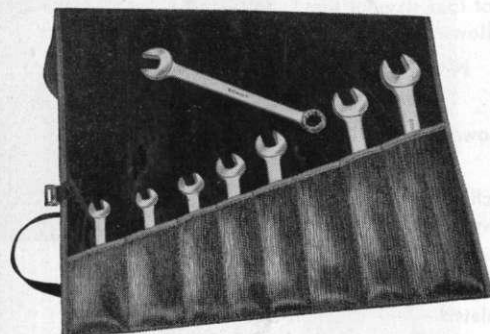
No. 1161

No. 1162

No. 1163

No. 1164

No. 1165





*The Finest that Money Can Buy*

## 'CV' Chrome-Vanadium RIGHT ANGLE WRENCHES

**B**ONNEY 'CV' Chrome-Vanadium Right-Angle Wrenches are designed for work in close quarters where it is impossible to use wrenches with openings at 15° or 22½°. Difficult adjustments of this type are found in work on brakes, manifolds, cylinder-heads, etc. The heads of Bonney

'CV' Right-Angle Wrenches are pear-shaped and of similar design to Bonney 'CV' Engineers' Wrenches. The handles are shaped to give the user a comfortable grip. They are chrome plated and have buffed heads. All are rigidly inspected, tested and are fully guaranteed.

| Wrench No. | Openings Milled | U. S. S. Bolt Size | Hex. Head Cap Screw | S. A. E. Standard Screw and Nut | Extreme Length | Thickness of Head |
|------------|-----------------|--------------------|---------------------|---------------------------------|----------------|-------------------|
| 2721       | 5/16 & 3/8      | 1/8 &              | & 1/8               | .....                           | 4 1/4          | 7/32              |
| 2021       | 5/16 & 13/32    | 1/8 & 3/16         | 1/8 &               | .....                           | 4 1/4          | 7/32              |
| 2722       | 5/16 & 7/16     | 1/8 &              | 1/8 & 1/4           | & 1/4                           | 4 1/4          | 7/32              |
| 2723       | 3/8 & 7/16      | .....              | 3/16 & 1/4          | & 1/4                           | 4 1/4          | 7/32              |
| 2022       | 5/16 & 1/2      | 1/8 & 1/4          | 1/8 & 5/16          | & 5/16                          | 4 1/2          | 7/32              |
| 2023       | 13/32 & 1/2     | 3/16 & 1/4         | & 5/16              | & 5/16                          | 4 1/2          | 7/32              |
| 2723A      | 3/8 & 1/2       | .....              | 3/16 & 5/16         | & 5/16                          | 4 1/2          | 7/32              |
| 2724       | 3/8 & 9/16      | .....              | 3/16 & 3/8          | & 3/8                           | 5 1/2          | 15/64             |
| 2024       | 13/32 & 19/32   | 3/16 & 5/16        | .....               | .....                           | 5 1/2          | 15/64             |
| 2725       | 7/16 & 1/2      | & 1/4              | 1/4 & 5/16          | 1/4 & 5/16                      | 5 1/2          | 15/64             |
| 2725A      | 7/16 & 9/16     | .....              | 1/4 & 3/8           | 1/4 & 3/8                       | 5 1/2          | 15/64             |
| 2725B      | 1/2 & 9/16      | 1/4 &              | 5/16 & 3/8          | 5/16 & 3/8                      | 5 1/2          | 15/64             |
| 2025       | 1/2 & 19/32     | 1/4 & 5/16         | 5/16 &              | 5/16 &                          | 5 1/2          | 15/64             |
| 2726       | 1/2 & 5/8       | 1/4 &              | 5/16 & 7/16         | 5/16 & 7/16                     | 6 1/2          | 9/32              |
| 2026       | 1/2 & 11/16     | 1/4 & 3/8          | 5/16 &              | 5/16 &                          | 6 1/2          | 9/32              |
| 2727       | 9/16 & 5/8      | .....              | 3/8 & 7/16          | 3/8 & 7/16                      | 6 1/2          | 9/32              |
| 2027       | 19/32 & 11/16   | 5/16 & 3/8         | .....               | .....                           | 6 1/2          | 9/32              |
| 2027C      | 9/16 & 11/16    | & 3/8              | 3/8 &               | 3/8 &                           | 6 1/2          | 9/32              |
| 2028       | 19/32 & 25/32   | 5/16 & 7/16        | .....               | .....                           | 7 1/2          | 5/16              |
| 2728       | 9/16 & 3/4      | .....              | 3/8 & 1/2           | 3/8 & 1/2                       | 7 1/2          | 5/16              |
| 2028S      | 5/8 & 25/32     | & 7/16             | 7/16 &              | 7/16 &                          | 7 1/2          | 5/16              |
| 2729       | 5/8 & 3/4       | .....              | 7/16 & 1/2          | 7/16 & 1/2                      | 7 1/2          | 5/16              |
| 2029       | 11/16 & 25/32   | 3/8 & 7/16         | .....               | .....                           | 7 1/2          | 5/16              |
| 2730       | 5/8 & 13/16     | .....              | 7/16 & 9/16         | 7/16 & 9/16                     | 7 1/2          | 5/16              |
| 2030       | 11/16 & 7/8     | 3/8 & 1/2          | & 5/8               | & 9/16                          | 7 1/2          | 5/16              |
| 2731       | 3/4 & 13/16     | .....              | 1/2 & 9/16          | 1/2 &                           | 9              | 3/8               |
| 2731A      | 3/4 & 7/8       | & 1/2              | 1/2 & 5/8           | 1/2 & 9/16                      | 9              | 3/8               |
| 2031       | 25/32 & 7/8     | 7/16 & 1/2         | & 5/8               | & 9/16                          | 9              | 3/8               |
| 2731B      | 13/16 & 7/8     | & 1/2              | 9/16 & 5/8          | & 9/16                          | 9              | 3/8               |
| 2732       | 13/16 & 1       | .....              | 9/16 & 3/4          | .....                           | 9              | 3/8               |
| 2032       | 25/32 & 31/32   | 7/16 & 9/16        | .....               | .....                           | 9              | 3/8               |
| 2732A      | 3/4 & 1         | .....              | 1/2 & 3/4           | 1/2 & 11/16                     | 9              | 3/8               |
| 2033A      | 7/8 & 15/16     | 1/2 &              | 5/8 &               | 9/16 & 5/8                      | 9              | 3/8               |
| 2033       | 7/8 & 31/32     | 1/2 & 9/16         | 5/8 &               | 9/16 &                          | 9              | 3/8               |

### No. 40 Right-Angle Wrench Set

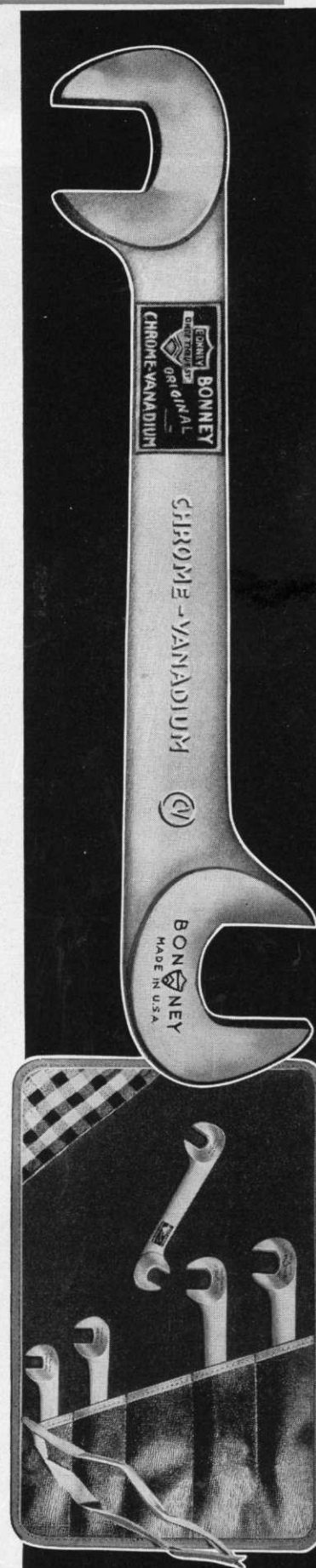
This set, composed of wrenches drop-forged of 'CV' Chrome-Vanadium Steel, contains one each of the following numbers:

Nos. 2723  
2025

No. 2027C

Nos. 2028S  
2731A

There are no duplicate openings, and they will fit U. S. Standard nuts, S. A. E. nuts and hexagon cap screws, as shown in the table.





*The Finest that  
Money Can Buy*

## 'CV' Chrome-Vanadium SOCKET WRENCHES

**B**ONNEY Solid Socket Wrenches are forged from 'CV' Chrome-Vanadium Steel. The socket and shank are forged in one piece. The sockets are designed so as to provide a reasonable depth, while the outside diameter of the socket is held down as far as practical to permit of the greatest possible clearance in operation. They are chrome plated, with polished heads on the sockets.

### 'T' Type

| Wrench No. | Hexagon Opening | U. S. S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Extreme Length |
|------------|-----------------|--------------------|---------------------|-------------------------|----------------|
| 2201       | 7/16            | .....              | 1/4                 | 1/4                     | 12             |
| 2202       | 1/2             | 1/4                | 5/16                | 5/16                    | 12             |
| 2203       | 9/16            | .....              | 3/8                 | 3/8                     | 12             |
| 2204       | 19/32           | 5/16               | .....               | .....                   | 12             |
| 2205       | 7/8             | .....              | 7/16                | 7/16                    | 12             |
| 2206       | 11/16           | 3/8                | .....               | .....                   | 12             |
| 2207       | 3/4             | .....              | 1/2                 | 1/2                     | 12             |
| 2208       | 25/32           | 7/16               | .....               | .....                   | 12             |
| 2209       | 13/16           | .....              | 9/16                | 9/16                    | 12             |
| 2210       | 7/8             | 1/2                | .....               | .....                   | 12             |

### Offset Type

| Wrench No. | Hexagon Opening | U. S. S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Length | Handle Offset |
|------------|-----------------|--------------------|---------------------|-------------------------|--------|---------------|
| 2101       | 7/16            | .....              | 1/4                 | 1/4                     | 8      | 2             |
| 2102       | 1/2             | 1/4                | 5/16                | 5/16                    | 8      | 2             |
| 2103       | 9/16            | .....              | 3/8                 | 3/8                     | 8      | 2             |
| 2104       | 19/32           | 5/16               | .....               | .....                   | 10     | 2             |
| 2105       | 7/8             | .....              | 7/16                | 7/16                    | 10     | 2             |
| 2106       | 11/16           | 3/8                | .....               | .....                   | 10     | 2             |
| 2107       | 3/4             | .....              | 1/2                 | 1/2                     | 10     | 2             |
| 2108       | 25/32           | 7/16               | .....               | .....                   | 10     | 2 1/4         |
| 2109       | 13/16           | .....              | 9/16                | 9/16                    | 10     | 2 1/4         |
| 2110       | 7/8             | 1/2                | .....               | .....                   | 10     | 2 1/4         |
| 2270S      | 15/16           | .....              | .....               | 5/8                     | 9 1/8  | 23 1/8        |
| 2270A      | 31/32           | 9/16               | .....               | .....                   | 9 1/8  | 23 1/8        |
| 2270D      | 1               | .....              | 3/4                 | 1 1/16                  | 9 1/8  | 23 1/8        |
| 2271A      | 11/16           | 5/8                | .....               | 3/4                     | 10     | 23 3/8        |
| 2271D      | 1 1/8           | .....              | 7/8                 | .....                   | 10     | 23 3/8        |
| 2273A      | 1 1/4           | 3/4                | 1                   | 7/8                     | 11 5/8 | 23 3/4        |
| 2274D      | 1 3/8           | .....              | 1 1/8               | .....                   | 12 3/8 | 27 3/8        |
| 2275A      | 1 7/16          | 7/8                | .....               | 1                       | 13 1/4 | 31 3/8        |
| 2275D      | 1 1/2           | .....              | 1 1/4               | .....                   | 13 1/4 | 31 3/8        |
| 2276A      | 1 5/8           | 1                  | 1 3/8               | 1 1/8                   | 14 7/8 | 31 1/2        |
| 2277A      | 1 13/16         | 1 1/8              | .....               | 1 1/4                   | 16 1/2 | 37 3/8        |

### Brace Type 20 Inches - 2400 Series

| Wrench No. | Hexagon Opening | U. S. S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Length | Length of Shank |
|------------|-----------------|--------------------|---------------------|-------------------------|--------|-----------------|
| 2401       | 7/16            | .....              | 1/4                 | 1/4                     | 20     | 10              |
| 2402       | 1/2             | 1/4                | 5/16                | 5/16                    | 20     | 10              |
| 2403       | 9/16            | .....              | 3/8                 | 3/8                     | 20     | 10              |
| 2404       | 19/32           | 5/16               | .....               | .....                   | 20     | 10              |
| 2405       | 7/8             | .....              | 7/16                | 7/16                    | 20     | 10              |
| 2406       | 11/16           | 3/8                | .....               | .....                   | 20     | 10              |
| 2407       | 3/4             | .....              | 1/2                 | 1/2                     | 20     | 10              |
| 2408       | 25/32           | 7/16               | .....               | .....                   | 20     | 10              |
| 2409       | 13/16           | .....              | 9/16                | 9/16                    | 20     | 10              |
| 2410       | 7/8             | 1/2                | .....               | .....                   | 20     | 10              |

### Brace Type 30 Inches - 2500 Series

| Wrench No. | Hexagon Opening | U. S. S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw & Nut | Length | Length of Shank |
|------------|-----------------|--------------------|---------------------|-------------------------|--------|-----------------|
| 2503       | 9/16            | .....              | 3/8                 | 3/8                     | 30     | 20              |
| 2505       | 5/8             | .....              | 7/16                | 7/16                    | 30     | 20              |



# CHART of WRENCH and SOCKET OPENINGS and SIZES of BOLTS and NUTS WHICH THEY FIT



*The Finest that  
Money Can Buy*

| HEXAGON and DOUBLE HEXAGON<br>(Dimensions given below are the outside diameters of threads in inches.) |           |                                 |               |            | WRENCH<br>OPENINGS<br>IN<br>INCHES | SQUARE and DOUBLE SQUARE (Dimensions given below<br>are the outside diameters of threads in inches.) |           |                                       |                               |  |
|--|-----------|---------------------------------|---------------|------------|------------------------------------|--|-----------|---------------------------------------|-------------------------------|--|
| U.S.S.   |           | S.A.E. Std.<br>Screws<br>& Nuts | American Std. |            |                                    | U.S.S.   |           | U.S.S. or<br>Amer. Std.<br>Set Screws | Amer. Std.<br>Bolts<br>& Nuts |  |
| Nuts   | Cap Screw |                                 | Nuts          | Cap Screws |                                    | Nuts   | Cap Screw |                                       |                               |  |
|  |           |                                 | 0 & 1         |            | 5/32                               |  |           |                                       | 0 & 1                         |  |
|  |           |                                 | 2 & 3         |            | 3/16                               |  |           |                                       | 2 & 3                         |  |
|  |           |                                 | 4             |            | 7/32                               |  |           |                                       | 4                             |  |
| 1/8  | 1/8       |                                 | 5 & 6         |            | 1/4                                |  |           |                                       | 5 & 6                         |  |
|  |           |                                 | 8             |            | 5/16                               |  |           |                                       | 8                             |  |
| 3/16   | 3/16      |                                 | 10            |            | 11/32                              |  |           |                                       | 10                            |  |
|  | 1/4       | 1/4                             | 12 & 1/4      | 1/4        | 3/8                                |  | 5/16      | 7/16                                  | 12 & 1/4                      |  |
|  |           |                                 |               |            | 7/16                               |  |           |                                       |                               |  |
| 1/4  | 5/16      | 5/16                            |               | 5/16       | 15/32                              |  |           |                                       |                               |  |
|  |           |                                 |               |            | 1/2                                | 1/4  | 3/8       | 1/2                                   |                               |  |
|  | 3/8       | 3/8                             | 5/16          | 3/8        | 17/32                              |  |           |                                       |                               |  |
| 5/16   |           |                                 |               |            | 9/16                               |  | 7/16      | 9/16                                  | 5/16                          |  |
|  | 7/16      | 7/16                            | 3/8           | 7/16       | 19/32                              | 5/16   |           |                                       |                               |  |
|  |           |                                 |               |            | 5/8                                |  | 1/2       | 5/8                                   | 3/8                           |  |
| 3/8  |           |                                 |               |            | 21/32                              |  |           |                                       |                               |  |
|  | 1/2       | 1/2                             | 7/16          | 1/2        | 11/16                              | 3/8  | 9/16      |                                       |                               |  |
| 7/16   |           |                                 |               |            | 23/32                              |  |           |                                       |                               |  |
|  | 9/16      |                                 | 1/2           | 9/16       | 3/4                                |  | 5/8       | 3/4                                   | 7/16                          |  |
|  |           |                                 |               |            | 25/32                              | 7/16   |           |                                       |                               |  |
| 1/2  | 5/8       | 9/16                            | 9/16          | 5/8        | 13/16                              |  |           |                                       | 1/2                           |  |
|  |           | 5/8                             | 5/8           |            | 27/32                              |  |           |                                       |                               |  |
| 9/16   |           |                                 |               |            | 7/8                                | 1/2  | 3/4       | 7/8                                   | 9/16                          |  |
|  | 3/4       | 11/16                           |               | 3/4        | 29/32                              |  |           |                                       |                               |  |
| 5/8  |           | 3/4                             |               |            | 15/16                              |  |           |                                       | 5/8                           |  |
|  | 7/8       |                                 | 3/4           | 7/8        | 31/32                              | 9/16   |           |                                       |                               |  |
|  |           |                                 |               |            | 1                                  |  |           | 1                                     |                               |  |
| 3/4  | 1         | 7/8                             |               |            | 1 1/16                             | 5/8  |           |                                       |                               |  |
|  |           |                                 |               |            | 1 1/8                              |  |           |                                       | 3/4                           |  |
|  | 1 1/8     |                                 |               |            | 1 3/16                             |  |           |                                       |                               |  |
|  |           |                                 |               |            | 1 1/4                              | 3/4  | 1         | 1 1/4                                 | 7/8                           |  |
|  |           |                                 | 7/8           | 1          | 1 5/16                             |  |           |                                       |                               |  |
|  | 1 1/8     |                                 |               |            | 1 3/8                              |  | 1 1/8     |                                       |                               |  |
|  |           |                                 |               |            | 1 7/16                             | 7/8  |           |                                       |                               |  |
|  | 1 1/4     |                                 | 1             | 1 1/8      | 1 1/2                              |  |           | 1 1/2                                 | 1                             |  |
|  |           |                                 |               |            | 1 9/16                             |  |           |                                       |                               |  |
| 1  | 1 3/8     | 1 1/8                           | 1 1/8         | 1 1/4      | 1 5/8                              | 1  |           |                                       | 1 1/8                         |  |
|  |           |                                 |               |            | 1 11/16                            |  |           |                                       |                               |  |
| 1 1/8  |           | 1 1/4                           |               |            | 1 3/4                              |  |           |                                       |                               |  |
|  |           |                                 | 1 1/4         |            | 1 13/16                            | 1 1/8  |           |                                       | 1 1/4                         |  |
|  |           |                                 |               |            | 1 7/8                              |  |           |                                       |                               |  |
| 1 1/4  |           | 1 3/8                           |               |            | 1 15/16                            |  |           |                                       |                               |  |
|  |           |                                 |               |            | 2                                  | 1 1/4  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 1/16                             |  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 1/8                              |  |           |                                       |                               |  |
| 1 3/8  |           | 1 1/2                           | 1 1/2         |            | 2 3/16                             | 1 3/8  |           |                                       | 1 1/2                         |  |
|  |           |                                 |               |            | 2 1/4                              |  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 5/16                             |  |           |                                       |                               |  |
| 1 1/2  |           |                                 |               |            | 2 3/8                              | 1 1/2  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 7/16                             |  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 1/2                              |  |           |                                       |                               |  |
| 1 5/8  |           |                                 | 1 3/4         |            | 2 9/16                             | 1 5/8  |           |                                       | 1 3/4                         |  |
|  |           |                                 |               |            | 2 5/8                              |  |           |                                       |                               |  |
| 1 3/4  |           |                                 |               |            | 2 11/16                            |  |           |                                       |                               |  |
|  |           |                                 |               |            | 2 3/4                              | 1 3/4  |           |                                       |                               |  |



*The Finest that  
Money Can Buy*

## CONSTRUCTION WRENCHES

**D**ROP-FORGED of Bonney 'CV' Chrome-Vanadium Steel these open end construction wrenches have openings at 15° angle. Handles are long and tapered for ease in lining up bolt holes. They are carefully heat treated and fully chrome plated.



15° ANGLE

| Wrench No. | Nominal Opening | U.S.S. Std. Nut; Size Bolt | S.A.E. Std. Nut & Cap Screw | Amer. Std. Reg. Nut; Size Bolt | Extreme Length |
|------------|-----------------|----------------------------|-----------------------------|--------------------------------|----------------|
| 1203A      | 5/8             |                            | 7/16                        | 3/8                            | 12             |
| 1203       | 1 1/16          | 3/8                        |                             |                                | 12             |
| 1205A      | 1 1/8           |                            | 9/16                        | 1/2                            | 14 1/2         |
| 1205       | 1 5/8           | 1/2                        |                             |                                | 14 1/2         |
| 1206B      | 1 7/8           |                            | 1 1/16                      | 5/8                            | 17 1/2         |
| 1207       | 1 1/2           | 5/8                        | 3/4                         |                                | 17             |
| 1207A      | 1 5/8           |                            |                             | 3/4                            | 19             |
| 1208       | 1 3/4           | 3/4                        | 7/8                         |                                | 19             |
| 1208A      | 1 7/8           |                            |                             | 7/8                            | 21             |
| 1209       | 1 1/2           | 7/8                        | 1                           |                                | 21             |
| 1208A      | 1 1/2           |                            |                             | 1                              | 23             |
| 1210       | 1 5/8           |                            | 1 1/8                       |                                | 25             |
| 1211       | 1 3/4           | 1 1/8                      | 1 1/4                       |                                | 25             |
| 1212       | 2               | 1 1/4                      | 1 3/8                       |                                | 25             |

## STRUCTURAL BOX WRENCHES



DOUBLE HEXAGON OPENING

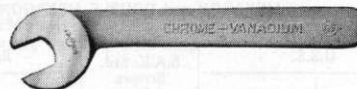
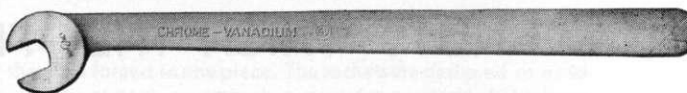
**D**ROP-FORGED of Bonaloy Steel, these structural box wrenches are designed with maximum clearance at the offset, allowing the double hexagon opening a full grip on the nut at all times. Handles are long and tapered for ease in lining up bolt holes.

Bonney Structural Box Wrenches have definite safety features that recommend their use wherever an open end structural wrench is not required.

They are carefully heat treated, have plated finish and polished heads.

| No.  | Nominal Opening | For U.S. Std. Nut; Size Bolt | Extreme Length Approx. | Approx. Weight each, Pounds |
|------|-----------------|------------------------------|------------------------|-----------------------------|
| 0907 | 1 1/16          | 5/8                          | 15                     | 1 1/2                       |
| 0908 | 1 1/4           | 3/4                          | 17                     | 2                           |
| 0909 | 1 1/2           | 7/8                          | 20 1/2                 | 3                           |
| 0910 | 1 5/8           | 1                            | 21 1/2                 | 3 1/2                       |
| 0911 | 1 3/4           | 1 1/8                        | 23                     | 4                           |
| 0912 | 2               | 1 1/4                        | 24                     | 5                           |
| 0913 | 2 1/8           | 1 3/8                        | 25 1/2                 | 6 1/2                       |
| 0914 | 2 1/4           | 1 1/2                        | 27                     | 7                           |
| 0915 | 2 1/2           | 1 5/8                        | 29                     | 9                           |

## ANGLE HEAD SERVICE WRENCHES



This line of Wrenches is especially suitable for production and service work. They are designed to take all the leverage that the extremely long handles will allow. They may also be used to make tappet adjustments on certain makes of cars.

| Wrench No.         | Opening Milled | U.S.S. Bolt Size | Hex. Head Cap Screw | S.A.E. Std. Screw and Nut | Extreme Length | Thick-ness of Head |
|--------------------|----------------|------------------|---------------------|---------------------------|----------------|--------------------|
| <b>Short Hdle.</b> |                |                  |                     |                           |                |                    |
| 1401               | 3/8            |                  | 6" L                | LONG                      | 6              | 7/32               |
| 1401A              | 7/16           |                  | 3/16                |                           | 6              | 7/32               |
| 1402               | 1/2            | 1/4              | 1/4                 |                           | 6              | 7/32               |
| 1402A              | 1 1/32         |                  | 5/16                |                           | 6              | 7/32               |
| 1403               | 9/16           |                  | 3/8                 | 3/8                       | 6              | 7/32               |
| 1403A              | 19/32          | 5/16             |                     |                           | 6              | 7/32               |
| <b>Med. Hdle.</b>  |                |                  |                     |                           |                |                    |
| 1404A              | 9/16           |                  | 9" L                | LONG                      | 9              | 9/32               |
| 1404               | 5/8            |                  | 3/8                 | 7/16                      | 9              | 9/32               |
| 1405               | 11/16          | 3/8              | 7/16                |                           | 9              | 9/32               |
| 1406               | 3/4            |                  | 1/2                 | 1/2                       | 9              | 9/32               |
| <b>Long Hdle.</b>  |                |                  |                     |                           |                |                    |
| 1501               | 3/8            |                  | 12" L               | LONG                      | 12             | 7/32               |
| 1501A              | 7/16           |                  | 3/16                | 1/4                       | 12             | 7/32               |
| 1502               | 1/2            | 1/4              | 1/4                 | 5/16                      | 12             | 7/32               |
| 1502A              | 1 1/32         |                  | 3/8                 |                           | 12             | 7/32               |
| 1503               | 9/16           |                  | 3/8                 | 7/16                      | 12             | 7/32               |
| 1503A              | 19/32          | 5/16             | 7/16                |                           | 12             | 7/32               |
| 1504               | 5/8            |                  | 1/2                 | 1/2                       | 12             | 9/32               |
| 1505               | 11/16          | 3/8              | 1/2                 |                           | 12             | 9/32               |
| 1506               | 3/4            |                  | 1/2                 |                           | 12             | 11/32              |
| 1506A              | 25/32          | 7/16             |                     |                           | 12             | 11/32              |
| 1507               | 13/16          | 9/16             |                     |                           | 12             | 11/32              |
| 1507A              | 7/8            | 1/2              |                     |                           | 12             | 11/32              |
| 1508               | 15/16          |                  | 5/8                 |                           | 12             | 11/32              |
| 1508A              | 31/32          | 9/16             | 11/16               |                           | 12             | 11/32              |
| 1509               | 1              | 3/4              |                     |                           | 12             | 11/32              |
| 1509A              | 1 1/16         | 5/8              |                     |                           | 12             | 11/32              |

## STRUCTURAL WRENCHES



Bonney Structural Wrenches are drop forged of Bonney 'CV' Chrome-Vanadium Steel, carefully heat treated their entire length and heavily chrome plated to resist rust. Openings are straight, but heads are offset to provide maximum clearance. Handles are long, thin and tapered to provide ease in lining up bolt holes.

Straight Opening and Offset Head

| Wrench No. | Nominal Opening | For U.S. Std. Nut; Size Bolt | For Amer. Std. Reg. Nut; Size Bolt | Extreme Length | Thick-ness Head | Handle Offset |         |
|------------|-----------------|------------------------------|------------------------------------|----------------|-----------------|---------------|---------|
|            |                 |                              |                                    |                |                 | at Head       | at End  |
| 1903A      | 5/8             |                              | 3/8                                | 12             | 7/16            | 3/4           | 11 1/16 |
| 1903       | 23/32           | 3/8                          |                                    | 12             | 7/16            | 3/4           | 11 1/16 |
| 1905A      | 13/16           |                              | 1/2                                | 14 1/2         | 1 1/32          | 7/8           | 17 1/8  |
| 1905       | 29/32           | 1/2                          |                                    | 14 1/2         | 1 1/32          | 7/8           | 17 1/8  |
| 1906       | 1               | 9/16                         | 5/8                                | 14 1/2         | 1 1/32          | 7/8           | 17 1/8  |
| 1907       | 1 1/64          | 5/8                          |                                    | 17             | 5/8             | 1             | 25 1/8  |
| 1907A      | 1 1/8           |                              | 3/4                                | 17             | 5/8             | 1             | 25 1/8  |
| 1908       | 1 1/64          | 3/4                          |                                    | 19             | 1 1/16          | 1 1/8         | 29 1/4  |
| 1908A      | 1 5/16          |                              | 7/8                                | 19             | 1 1/16          | 1 1/8         | 29 1/4  |
| 1909       | 1 1/2           | 7/8                          | 1                                  | 21             | 3/4             | 1 1/4         | 31 1/8  |
| 1910       | 1 1/16          | 1                            | 1 1/8                              | 23             | 13/16           | 1 7/16        | 35 1/8  |
| 1911       | 1 7/8           | 1 1/8                        | 1 1/4                              | 25             | 7/8             | 1 5/8         | 31 1/16 |
| 1912       | 2 1/16          | 1 1/4                        |                                    | 25             | 7/8             | 1 5/8         | 31 1/16 |

## SINGLE HEAD ENGINEERS' WRENCHES



15° Angle

BONNEY Single Head Engineers' Wrenches are drop forged of Bonney 'CV' Chrome-Vanadium Steel, full chrome plated and with polished heads. Openings are at 15° angle for efficiency. Handles are long and thin to assure a firm, comfortable grip.

| Wrench No.            | Openings Milled       | U.S.S. Bolt Size     | Hex. Head Cap Screw     | S.A.E. Standard Screw and Nut | Extreme Length         | Thickness of Head  |
|-----------------------|-----------------------|----------------------|-------------------------|-------------------------------|------------------------|--------------------|
| 1000<br>1700<br>1000A | 5/16<br>3/8<br>13/32  | 1/8<br>.....<br>3/16 | 1/8<br>3/16<br>.....    | .....<br>.....<br>.....       | 3 1/2<br>4<br>4        | 7/32               |
| 1701<br>1001          | 7/16<br>1/2           | .....<br>1/4         | 1/4<br>5/16             | 1/4<br>5/16                   | 4 5/8<br>4 5/8         | 5/16               |
| 1702<br>1002          | 9/16<br>19/32         | .....<br>5/16        | 3/8<br>.....            | 3/8<br>.....                  | 5 1/2<br>5 1/2         | 3/8                |
| 1703<br>1003          | 5/8<br>1 1/16         | .....<br>3/8         | 7/16<br>.....           | 7/16<br>.....                 | 6 3/8<br>6 3/8         | 7/16               |
| 1704<br>1004          | 3/4<br>2 5/32         | .....<br>7/16        | 1/2<br>.....            | 1/2<br>.....                  | 7 1/4<br>7 1/4         | 7/16               |
| 1705<br>1005          | 1 3/16<br>7/8         | .....<br>1/2         | 9/16<br>5/8             | 9/16<br>.....                 | 8 1/8<br>8 1/8         | 1/2                |
| 1006<br>1706          | 3 1/32<br>1           | 9/16<br>.....        | 3/4<br>.....            | 1 1/16<br>.....               | 9 1/4<br>9 1/4         | 9/16               |
| 1007<br>1707          | 1 1/16<br>1 1/8       | 5/8<br>.....         | .....<br>7/8            | 3/4<br>.....                  | 10 1/2<br>10 1/2       | 5/8                |
| 1008<br>1708A         | 1 1/4<br>1 3/8        | 3/4<br>.....         | 1<br>1 1/8              | 7/8<br>.....                  | 12<br>12               | 3/4                |
| 1009<br>1709          | 1 7/16<br>1 1/2       | 7/8<br>.....         | .....<br>1 1/4          | 1<br>.....                    | 13 1/2<br>13 1/2       | 7/8                |
| 1010<br>1011<br>1012  | 1 5/8<br>1 13/16<br>2 | 1<br>1 1/8<br>1 1/4  | 1 3/8<br>.....<br>..... | 1 1/8<br>.....<br>1 3/8       | 15<br>16 1/2<br>18 1/4 | 7/8<br>1 5/16<br>1 |

## DOUBLE-HEAD SET SCREW WRENCHES



22 1/2° Angle

Bonney Double Head Set Screw Wrenches are drop forged of Bonney 'CV' Chrome-Vanadium Steel, heavily chrome plated and with polished heads. They have different size openings in each end placed at 22 1/2° angle.

| Wrench No. | Milled Openings for Set Screws | Extreme Length | Thickness Head |
|------------|--------------------------------|----------------|----------------|
| 1523       | 3/16 & 1/4                     | 3 1/2          | 7/32           |
| 1524       | 3/16 & 5/16                    | 4 1/4          | 9/32           |
| 1525       | 1/4 & 5/16                     | 4 1/4          | 9/32           |
| 1526       | 1/4 & 3/8                      | 5              | 1 1/32         |
| 1527       | 5/16 & 3/8                     | 5              | 1 1/32         |
| 1528       | 5/16 & 7/16                    | 5 3/4          | 3 3/8          |
| 1529       | 3/8 & 7/16                     | 5 3/4          | 3 3/8          |
| 1530       | 3/8 & 1/2                      | 6 5/8          | 7/16           |
| 1531       | 7/16 & 1/2                     | 6 5/8          | 7/16           |
| 1532       | 7/16 & 9/16                    | 7 1/2          | 1 1/2          |
| 1533       | 1/2 & 9/16                     | 7 1/2          | 1 1/2          |
| 1534       | 1/2 & 5/8                      | 8 1/2          | 9/16           |
| 1535       | 9/16 & 5/8                     | 8 1/2          | 9/16           |
| 1536       | 9/16 & 3/4                     | 9 3/4          | 5/8            |
| 1537       | 5/8 & 3/4                      | 9 3/4          | 5/8            |
| 1538       | 5/8 & 7/8                      | 11             | 1 1/16         |
| 1539       | 3/4 & 7/8                      | 11             | 1 1/16         |
| 1540       | 3/4 & 1                        | 12 1/2         | 3/4            |
| 1541       | 7/8 & 1                        | 12 1/2         | 3/4            |



*The Finest that Money Can Buy*

## SINGLE HEAD SERVICE WRENCHES



Designed particularly for assembling and service work on pinion shaft bearing adjusting nuts. The heads are thin, sufficiently strong to stand the leverage that the 12 1/4 inch handle produces without breaking or spreading.

| Wrench No.                                   | Opening Milled                                     | U.S.S. Bolt Size                                   | Hex. Head Cap Screw                                | S.A.E. Std. Screw & Nut                            | Extreme Length   | Thickness of Head                            |
|--|--|--|--|--|--|--|
| 1932<br>1934<br>1936<br>1940<br>1944         | 1<br>1 1/16<br>1 1/8<br>1 1/4<br>1 3/8             | .....<br>5/8<br>.....<br>3/4<br>.....              | 3/4<br>.....<br>7/8<br>1<br>1 1/8                  | 1 1/16<br>3/4<br>7/8<br>.....<br>.....             | 12 1/4<br>12 1/4<br>12 1/4<br>12 1/4<br>12 1/4           | 1/4<br>1/4<br>1/4<br>1/4<br>1/4              |
| 1946<br>1948<br>1950<br>1952                 | 1 7/16<br>1 1/2<br>1 9/16<br>1 5/8                 | .....<br>7/8<br>.....<br>1                         | .....<br>1 1/4<br>.....<br>1 3/8                   | 1<br>.....<br>1 1/8<br>.....                       | 12 1/4<br>12 1/4<br>12 1/4<br>12 1/4                     | 9/32<br>9/32<br>9/32<br>9/32                 |
| 1956<br>1958<br>1960<br>1964<br>1966<br>1970 | 1 3/4<br>1 13/16<br>1 7/8<br>2<br>2 1/16<br>2 3/16 | .....<br>1 1/8<br>.....<br>1 1/4<br>.....<br>1 3/8 | .....<br>.....<br>.....<br>.....<br>.....<br>..... | 1 1/2<br>1 1/4<br>.....<br>1 3/8<br>.....<br>1 1/2 | 12 1/4<br>12 1/4<br>12 1/4<br>12 1/4<br>12 1/4<br>12 1/4 | 5/16<br>5/16<br>5/16<br>5/16<br>5/16<br>5/16 |

## SHORT 'S' WRENCHES



22 1/2° ANGLE

Bonney Short 'S' Wrenches are drop forged of 'CV' Chrome-Vanadium Steel, carefully heat treated, fully chrome plated and with polished heads. Openings are at 22 1/2° angles, and different size openings are in each end.

| Wrench No. | Openings Milled | U.S.S. Bolt Size | Hex. Head Cap Screw | S.A.E. Standard Screw and Nut | Extreme Length | Thickness of Head |
|------------|-----------------|------------------|---------------------|-------------------------------|----------------|-------------------|
| 1070       | 3/8 & 7/16      | .....            | 3/16 & 1/4          | & 1/4                         | 4              | 1/4               |
| 1071       | 1/2 & 9/16      | 1/4 & .....      | 5/16 & 3/8          | 5/16 & 3/8                    | 5              | 5/16              |
| 1072       | 3/4 & 1 3/16    | .....            | 1/2 & 9/16          | 1/2 & .....                   | 6              | 3/8               |
| 1073       | 7/8 & 1         | 1/2 & .....      | 5/8 & 3/4           | 9/16 & 1 1/16                 | 7              | 7/16              |

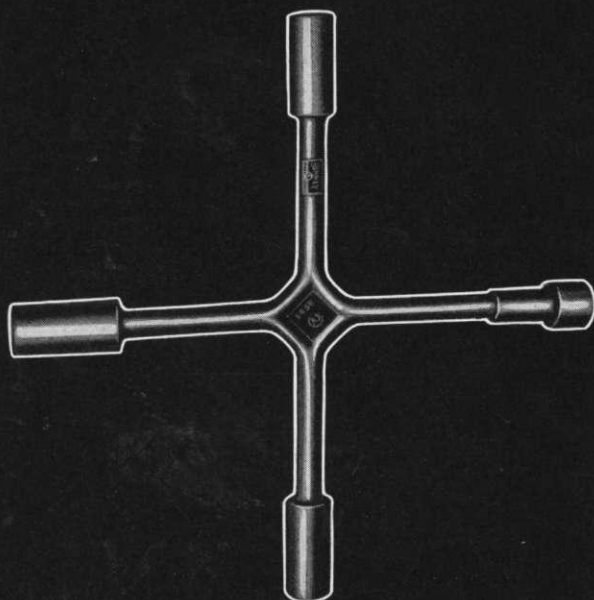




*The Finest that  
Money Can Buy*



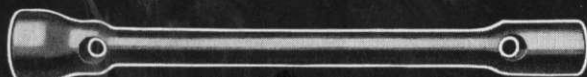
No. 2420 Series



Cross Rim Wrench



Nos. 7944 and 7944A



Nos. 7940-7941



No. 7942

## RIM WRENCHES

### No. 2420 Series

THE Bonney Rim Wrenches listed in the table below are all made in one piece from selected Steel, and have hexagon openings. They have plated finish and will take care of practically all sizes of rim nuts.

| No.  | Opening |
|------|---------|
| 2420 | 5/8"    |
| 2422 | 11/16"  |
| 2424 | 3/4"    |
| 2426 | 13/16"  |
| 2428 | 7/8"    |

### No. 2553 Cross Rim Wrench

A quality tool needed by every garage and service station. Made of 'CV' Chrome-Vanadium Steel, it is chrome plated, with polished heads. Has 5/8", 3/4", 13/16" and 7/8" openings. A "four-in-one" tool to meet practically every need for a rim wrench.

### Truck Rim Wrenches

Nos. 7940 and 7941 are designed especially for use on Ford truck rim nuts. No. 7944 is for rim nuts on practically all other makes of trucks, and the 7942 is a handle and pry bar for use with the wrenches mentioned above. All have plated finish and are the usual Bonney quality in every way.

| No.   | Openings                       | Length  |
|-------|--------------------------------|---------|
| 7940  | 13/16" square & 1 1/8" hexagon | 16 7/8" |
| 7941  | 13/16" square & 1 1/2" hexagon | 16 7/8" |
| 7944  | 7/8" hexagon & 1 1/16" hexagon | 14 7/8" |
| 7944A | 7/8" hexagon & 1 3/16" hexagon | 14 7/8" |
| 7942  | Handle and pry bar             | 20"     |

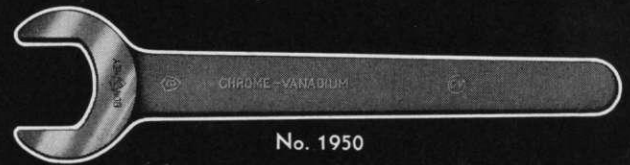
# SPECIAL WRENCHES FOR CHEVROLETS



*The Finest that  
Money Can Buy*

## No. 1950 for 1939 Steering Worm Adjustment

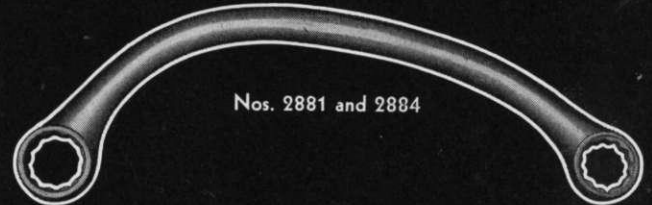
A wrench drop-forged of Bonney 'CV' Chrome-Vanadium Steel and designed especially for the steering worm adjustment on the 1939 Chevrolet. Fully chrome plated, with polished head. Has  $1\frac{9}{16}$ " opening and is  $12\frac{1}{2}$ " long.



No. 1950

## No. 2881 Starter and Manifold Wrench

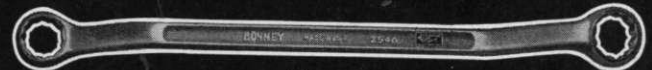
Starter and manifold work on Chevrolet and other cars is simplified by this wrench. The openings are  $\frac{9}{16}$  and  $\frac{5}{8}$  inch double-hexagon. Length  $7\frac{3}{4}$  inches. Made of 'CV' Chrome-Vanadium Steel, chrome plated.



Nos. 2881 and 2884

## No. 2884 Starter Wrench

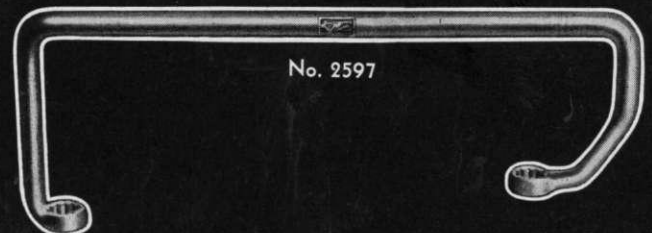
Designed especially for adjustments on 1937 and 1938 Chevrolet starters. Made of 'CV' Chrome-Vanadium Steel, chrome plated, with polished heads. Has  $\frac{9}{16}$ " and  $\frac{3}{4}$ " double hexagon openings. Length  $7\frac{3}{4}$  inches.



No. 2540

## No. 2540 Main Bearing Wrench

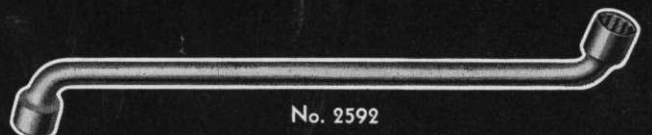
For adjusting Chevrolet "4" main bearings. Overall length 13 inches. Has  $1\frac{3}{16}$  inch and  $\frac{7}{8}$  inch double hexagon openings.



No. 2597

## No. 2597 Cylinder Head Wrench

Designed especially for cylinder head stud nuts on 1937 model Chevrolet. Has  $\frac{3}{4}$  inch double hexagon opening in each end. Made of 'CV' Chrome-Vanadium Steel, chrome plated. Overall length  $16\frac{5}{8}$ ".



No. 2592

## No. 2592 Main Bearing Wrench

Especially designed for work on Chevrolet Main Bearings. Has  $1\frac{1}{16}$ " and  $\frac{3}{4}$ " double hexagon openings. Overall length 16 inches.

## No. 2840 Main Bearing Wrench

Used for adjusting Chevrolet "6" main bearings. Has  $\frac{5}{8}$  inch and  $\frac{3}{4}$  inch double hexagon openings. Overall length  $13\frac{1}{2}$  inches.

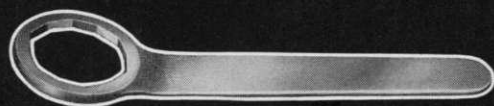


No. 2840



*The Finest that  
Money Can Buy*

## SPECIAL WRENCHES FOR FORDS



No. 2626

### No. 2626 Drain Plug Wrench For '39

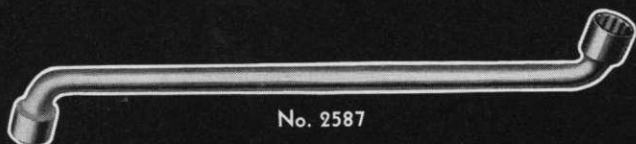
A drop-forged wrench of BONALOY Steel designed especially for removing and replacing the drain plug on 1939 Ford standard and deluxe and Mercury cars. It is chrome plated, has 2" double hexagon opening. Head is offset at 20°. Length overall 10 $\frac{3}{4}$  inches.



Nos. 2857 and D2857

### Nos. 2857 and D2857 Brake Wrenches

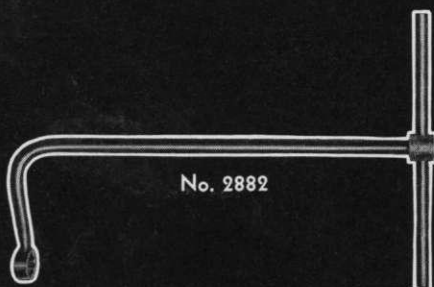
Special wrenches for work on Ford brakes. They have  $\frac{7}{16}$  inch and  $\frac{1}{2}$  inch openings. No. 2857 has square openings. No. D2857 double square openings. Overall length 10 $\frac{3}{4}$  inches.



No. 2587

### No. 2587 Main Bearing Wrench

Work on Ford main bearings is speeded with this wrench. Has  $\frac{9}{16}$  inch double square and  $\frac{3}{4}$  inch double hexagon openings. Overall length 16 inches.



No. 2882

### No. 2882 Shock Absorber Wrench

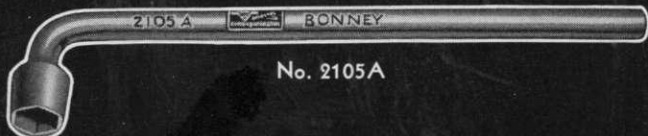
For use in removing and replacing filler plug on V8 Ford shock absorbers. Has  $\frac{7}{16}$  inch double square opening. Forged of 'CV' Chrome-Vanadium Steel.



No. F18

### No. F18 Socket

A special socket of 'CV' Chrome-Vanadium Steel for Ford V8 connecting rod bearing cap nuts. Made with thin nose. Has  $\frac{9}{16}$  inch hexagon opening. Is for  $\frac{1}{2}$  inch square drive. Not Guaranteed.



No. 2105A

### No. 2105A Connecting Rod Bearing Wrench

For making adjustments on Ford Model "A" connecting rods. Overall length of wrench, 10 inches. Equipped with  $\frac{21}{32}$  inch hexagon opening.



## SPECIAL WRENCHES FOR FORDS



*The Finest that Money Can Buy*

### No. 2612 Brake Wrench for Ford and Lincoln

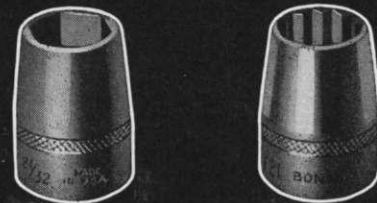
A drop forged wrench with slotted, double hexagon openings for removal and replacement of flare nuts on Ford and Lincoln Zephyr hydraulic brake lines. Has panelled handle, chrome plated finish. Openings  $\frac{3}{8}$ " and  $\frac{1}{2}$ ".  $4\frac{3}{4}$ " long.



No. 2612

### Nos. D21 and 4021 Sockets

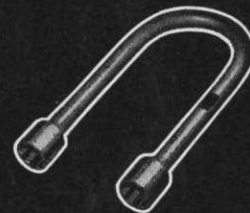
These two sockets are used for adjusting Ford "A" and "AA" connecting rod bearing cap nuts. No. D21 has  $2\frac{1}{32}$  inch double hexagon opening. No. 4021 has  $2\frac{1}{32}$  inch single hexagon opening. Both are for  $\frac{1}{2}$  inch square drive.



Nos. D21 and 4021

### No. 2588 Main Bearing Wrench

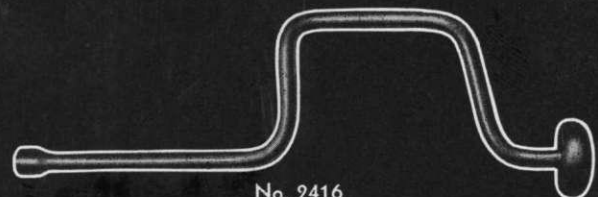
The adjustment of main bearing caps on the Ford V8 is greatly speeded with this tool. It holds the bearing bolts while the cap nuts are tightened or adjusted. The openings are  $\frac{9}{16}$ " double square. No. 2587 is the ideal companion wrench for this one.



No. 2588

### No. 2416 Oil Pan Wrench

Used on Model "A", "V8" and "B4" Ford Oil Pans. Has  $\frac{1}{2}$  inch hexagon opening. Length 17 inches overall. A very handy speeder for this job.



No. 2416

### No. 2586 Carburetor Wrench

No. 2586 is a special tool for adjusting Ford V8 carburetor jets. It is an accurate tool to make precision adjustments. Made of 'CV' Chrome-Vanadium Steel.



No. 2586



*The Finest that  
Money Can Buy*

## MISCELLANEOUS SPECIAL WRENCHES

### No. 3118A Carburetor Wrench

**A** TuType wrench combining an open end and box wrench in one tool that will be found useful for general carburetor work. Has  $\frac{1}{2}$ " double hexagon and  $\frac{9}{16}$ " open end opening. Made of ZENEL Steel, chrome plated, with polished heads. Length  $5\frac{7}{8}$  inches.



No. 3118A

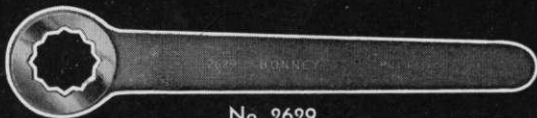
### Open End Box Wrenches For Copper Tube Fittings

Drop forged of Bonaloy Steel, carefully heat treated and heavily chrome plated, these wrenches have slotted, double hexagon openings for removal and replacement of copper tube flare nuts and fittings. Heads are offset at  $15^\circ$  angle and openings are at  $15^\circ$  for efficiency. Handles are pan-elled and different size openings are in each end.



Nos. 2612 and 2618

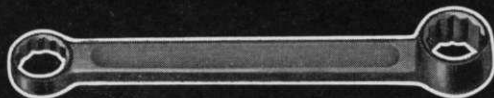
| No.  | Openings                            | Length           |
|------|-------------------------------------|------------------|
| 2612 | $\frac{3}{8}$ " & $\frac{1}{2}$ "   | $4\frac{3}{4}$ " |
| 2618 | $\frac{7}{16}$ " & $\frac{9}{16}$ " | 5"               |



No. 2629

### No. 2629 Brake Wrench for Chrysler Built Cars

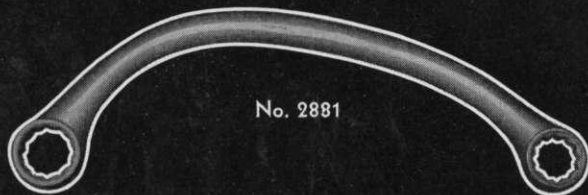
A drop forged, single head box wrench with  $1\frac{1}{16}$ " double hexagon opening for brake use on Chrysler, Dodge, DeSoto and Plymouth cars. Has fully chrome plated finish.



No. 2875

### No. 2875 Battery Wrench

Needed by every battery and service man. Made of BON-ALOY Steel and is exceptionally strong. Designed especially for work on battery terminal nuts. Has  $\frac{9}{16}$  inch and  $\frac{5}{8}$  inch double hexagon openings. Length 6 inches.



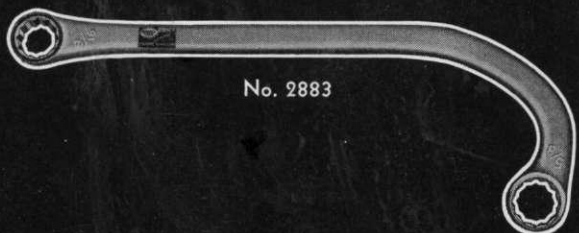
No. 2881

### No. 2881 Manifold Wrench

Designed for manifold work on a large variety of cars. Made of BONALLOY Steel, chrome plated. Double hexagon openings  $\frac{9}{16}$ " and  $\frac{5}{8}$ ". Length  $7\frac{3}{4}$  inches.

### No. 2883 Starter Wrench For Chrysler

A special wrench of BONALLOY Steel designed especially for use on the starter nuts of late model Chrysler cars. Has  $\frac{9}{16}$  inch and  $\frac{5}{8}$  inch double hexagon openings. Overall length 9 inches. Has chrome plated finish with heads buffed to a high, permanent lustre.



No. 2883

## MISCELLANEOUS SPECIAL WRENCHES

### No. 2626 Drain Plug Wrench For 1939 Mercury

A drop-forged wrench of BONALOY Steel designed especially for removing and replacing the drain plug on 1939 Mercury and Ford standard and deluxe cars. It is chrome plated, has 2" double hexagon opening. Head is offset at 20°. Length overall 10<sup>3</sup>/<sub>4</sub> inches.

### Box Wrench Attachments For Torque-Indicating Wrenches

Designed especially for drawing up cylinder head stud nuts with torque-indicating wrenches having 1/2" square drive, these box wrench attachments are made of BONALOY Steel, with plated finish. They have double hexagon box wrench openings and can also be used with all standard 1/2" square drive socket handles and attachments.

| No.   | Double Hexagon<br>Opening and Sweep |
|-------|-------------------------------------|
| 2613  | 3/4" close sweep                    |
| 2614  | 3/4" wide sweep                     |
| 2615A | 11/16" close sweep                  |
| 2615  | 5/8" close sweep                    |
| 2616  | 5/8" wide sweep                     |

### Water Pump Packing Nut Wrenches

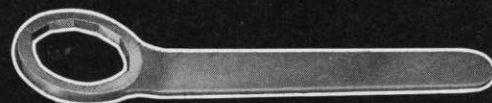
Many cars on the road today still require water pump packing nut adjustments, and the only proper way to make this adjustment is with Bonney water pump packing nut wrenches. The nut is usually of brass and very thin, and should only be tightened with a wrench and never with a drive punch and hammer. Wrenches to do this work must be very thin. Bonney 'CV' Chrome Vanadium Water Pump Packing Nut Wrenches are designed especially for this adjustment. Their use for other classes of work or with added leverage is not recommended.

| Wrench<br>No. | Opening<br>Milled | Length | Thickness<br>Of Head |
|---------------|-------------------|--------|----------------------|
| 1224          | 3/4               | 7      | 1/4                  |
| 1224A         | 1 1/8             | 7      | 1/4                  |
| 1226          | 1 3/16            | 7      | 1/4                  |
| 1228          | 7/8               | 7      | 1/4                  |
| 1230          | 1 5/16            | 7      | 1/4                  |
| 1232          | 1                 | 7      | 1/4                  |
| 1232A         | 1 1/32            | 7      | 1/4                  |
| 1234          | 1 1/16            | 7      | 1/4                  |
| 1236          | 1 1/8             | 7      | 1/4                  |
| 1236S         | 1 5/16            | 7      | 1/4                  |
| 1236X         | 1 5/16            | 7      | 7/32                 |
| 1238          | 1 3/16            | 7      | 1/4                  |
| 1240          | 1 1/4             | 7      | 1/4                  |
| 1241          | 1 9/32            | 7      | 1/4                  |
| 1242          | 1 5/16            | 7 3/4  | 9/32                 |
| 1244          | 1 3/8             | 7 3/4  | 9/32                 |
| 1246          | 1 7/16            | 7 3/4  | 9/32                 |
| 1248          | 1 1/2             | 7 3/4  | 9/32                 |
| 1250          | 1 9/16            | 7 3/4  | 9/32                 |
| 1252          | 1 5/8             | 7 3/4  | 9/32                 |
| 1256          | 1 3/4             | 8 1/2  | 5/16                 |
| 1258          | 1 13/16           | 8 1/2  | 5/16                 |
| 1260          | 1 7/8             | 8 1/2  | 5/16                 |
| 1262          | 1 15/16           | 8 1/2  | 5/16                 |
| 1264          | 2                 | 8 1/2  | 5/16                 |
| 1264S         | 2 9/16            | 8 1/2  | 5/16                 |
| 1266          | 2 1/16            | 8 1/2  | 5/16                 |
| 1268          | 2 1/8             | 8 1/2  | 5/16                 |
| 1272          | 2 1/4             | 8 1/2  | 5/16                 |
| 1276          | 2 3/8             | 8 1/2  | 5/16                 |
| 1272S         | 2 1/2             | 8 1/2  | 5/16                 |

No. 4568—This is a 1/4" set screw wrench to facilitate Chrysler Castor Adjustment.



*The Finest that  
Money Can Buy*



No. 2626



Nos. 2614 and 2616



Nos. 2613, 2615  
and 2615A



Water Pump Packing Nut Wrenches





*The Finest that  
Money Can Buy*



"Knock-Off" Wheel Pullers

## "KNOCK-OFF" WHEEL PULLERS

These "knock-off" wheel pullers are inexpensive tools that will be found useful on practically all makes of cars and trucks. They are made of special analysis steel, accurately machined and heat-treated, but due to the service to which they are put, they are not guaranteed.

| No. and Size | No. and Size | No. and Size |
|--------------|--------------|--------------|
| 5/8-18       | 1 3/16-16    | 1-14         |
| 3/4-16       | 7/8-14       | 1 1/8-12     |
| 3/4-20       | 7/8-18       | 1 1/4-12     |

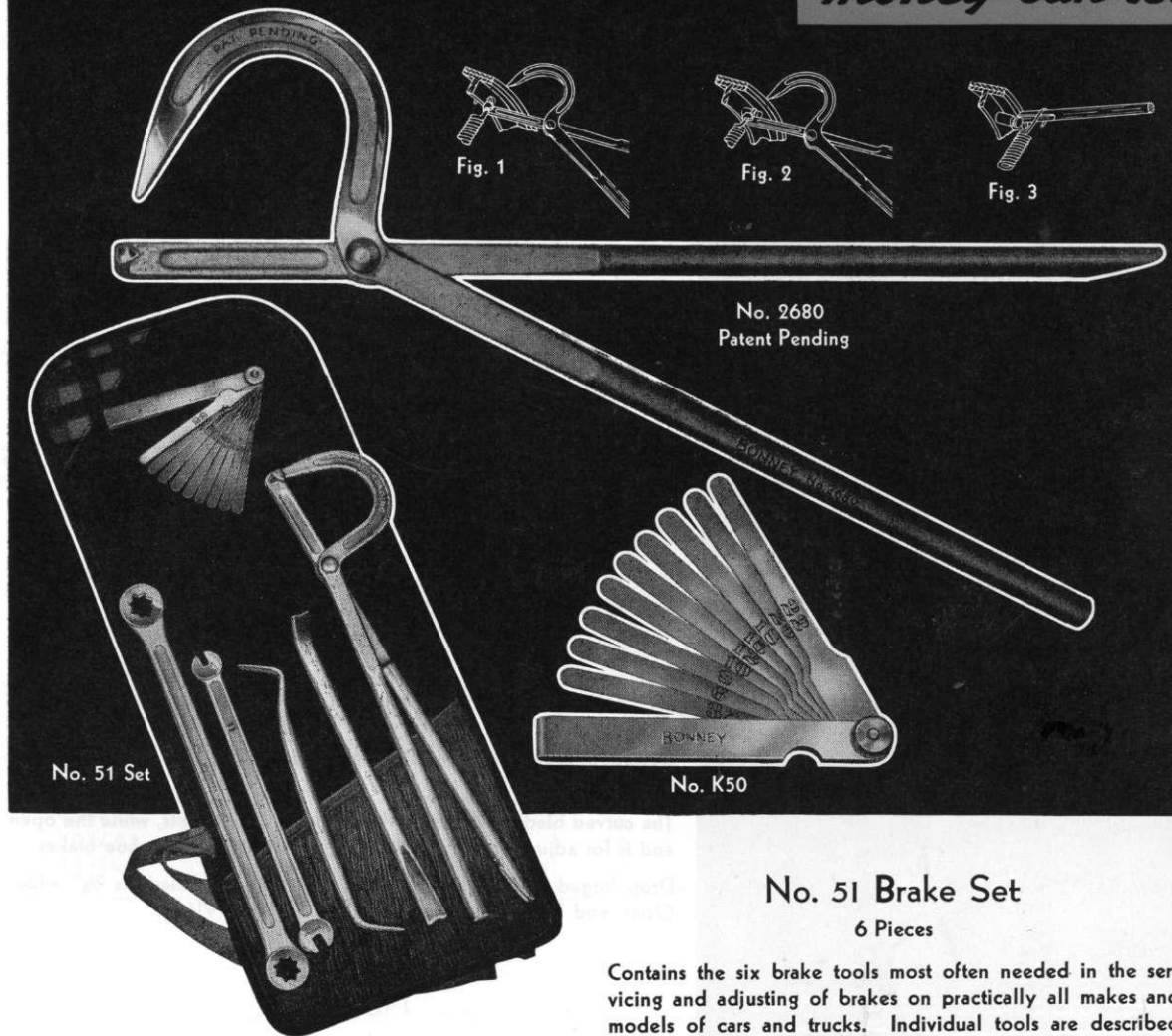
### Chart for "Knock-Off" Wheel Pullers

| Make of Car     | Models  | Wheel Puller Size         | Make of Car     | Models  | Wheel Puller Size   | Make of Car   | Models  | Wheel Puller Size                               |                               |
|-----------------|---|---------------------------|-----------------|---|---|---|---|---|-------------------------------|
| AUBURN          | 1927 to 1931<br>6-66A, 76, 6-80,<br>6-85, 88, 8-90,<br>895  | 7/8-14                    | TERRAPLANE      | 6, 8, 1932 to '34   | 3/4-20  | MACK TRUCKS   | 1916 to '30, Models<br>8AC, AC, AP  | 1 1/4-12  |                               |
|                 | All others  | 1-14                      |                 | NASH  | 1932-'33; Models<br>1060, 1120, 1070,<br>1130   |   | 1-14  |   |                               |
|                 | AUSTIN  | All Models                |                 |   | 5/8-18  | FEDERAL TRUCKS  | 1929 to '30, 1 ton  | 1-14  |                               |
| BUICK           | '36 90, all Std.<br>Series '26 to '30<br>1930 to 1935, Series<br>50 and 60                                  | 1-14                      |                 | 1926 to '29, 1 ton<br>F6, FX2, Scout, FW,<br>2FW, 2F6           | 7/8-14  |   |   | All others                                      | 7/8-14                        |
|                 | Master Series 1916<br>to '30; 1930 to '35<br>Series 80 and 90   | 1 1/8-12                  | FORD            | All Models  | 5/8-18  | OLDSMOBILE  | 1924 to '37   | 1-14  |                               |
| CADILLAC        | 1936 V8-60  | 1-14                      | FORD TRUCKS     | 1930 to '33, 1 1/2 ton  | 1 1/4-12  | PACKARD   | 1932 to '37   | 7/8-14  |                               |
|                 | All others  | 1 1/8-12                  |                 |   | 1923 to '32   |   | 1-14  |   |                               |
|                 | CHEVROLET   | 1923 to '32<br>(Early BA) |                 | 3/4-16  |   | 1928-'29, 1 1/2 ton   | 7/8-14  | PLYMOUTH  | 1929 to '37                   |
| CHEVROLET TRUCK | 1931 to '35<br>Models LT, LS,<br>M, N, O, F, Q,<br>(1 1/2 ton)  | 1 1/4-12                  | G. M. C. TRUCKS | 1919 to '27, 1 ton  | 7/8-14  | PONTIAC   | '32 and later   | 7/8-14  |                               |
|                 | 1925 to '31<br>Commercial and<br>early '32 BB<br>(1/2 ton)  | 3/4-16                    |                 |   | 1923-'33—1 1/2 ton  | 1 1/4-12  |   | 1926 to '29                                     | 3/4-16                        |
|                 | 1932 late BB<br>(1/2 ton)   | 1 3/16-16                 |                 |   | 1927 to '33—T20,<br>T21, T11, T15, T17  | 7/8-14  | REO   | All models                                      | 1-14                          |
|                 | 1930 LR (1 1/2 ton)   | 1 1/8-12                  |                 | 1927—'28 T19  | 1-14  | REO TRUCKS  | All 1/2 ton, 1928<br>to '31 1 ton   | 1-14  |                               |
|                 | 1922 to '29—<br>1 Ton & 1 1/2 ton   | 1-14                      |                 | 1919—'24—3/4-1 ton  | 1 1/8-12  |   |   | 1924 to '26, "F",<br>1927-'31, 1 1/2<br>ton     | 1 1/8-12                      |
| CHRYSLER        | 1926 to '37,<br>Models 50, 52,<br>CV, CM, 66, C16;<br>1930-'31 8's, C06,<br>CA, CB, C6, C7, C8,<br>CZ8, C16 | 3/4-16                    | GRAHAM          | 1928 to '36; Models<br>610, 53, 612, 646,<br>54, 56, 6-74, 6-80 | 7/8-14  |   | All others  | 1 1/4-12  |                               |
|                 | All others  | 7/8-14                    |                 |   | 1928 to '36; Models<br>614, 619, 621, 629,<br>827, 835, 837, Cus-<br>tom 8, 65, 67, 68, 73,<br>6-90, 6-110                              | 1-14  | STERLING TRUCKS   | 1930-1 1/2 ton                                  | 1 1/4-12                      |
|                 | DE SOTO   | All Models                |                 | 3/4-16  |   | 1928 to '35; Models<br>615, 645, 42, 822,<br>834, 820, 57, 69, 75 | 1 1/8-12  |   | 1929-DB7-1 1/2 ton            |
| DODGE           | 1930 to '37 DD, DH,<br>DL, DC, DG, DP6,<br>DR, DS, DU, D2, D5   | 3/4-16                    | HUDSON          | 1934 to '37   | 3/4-20  | STUDEBAKER TRUCK & BUSES  | Eights except '35<br>Model C; '33, 8-82;<br>1920 to '27 Big Six,<br>Spec. Six | 1-14  |                               |
|                 | All others  | 7/8-14                    |                 |   | 1930 to '33   |   | 7/8-18  | All others                                      | 7/8-14                        |
| DODGE TRUCKS    | 1929 to '37,<br>1/2 ton   | 3/4-16                    |                 |   | 1921 to '30   |   | 7/8-14  |   | 1927 to '33;<br>1/2 & 3/4 ton |
|                 | 1924 to '30, 3/4<br>ton; 1927 to '29,<br>1/2 ton  | 7/8-14                    | INDIANA TRUCKS  | 1925 to '30;<br>Models 11, 11X, 611,<br>60, 64, 74, 200, 300    | 1-14  |   | 1925 to '29; 1<br>& 1 1/4 ton   | 1-14  |                               |
|                 | 1924 to '30, 1 ton,<br>1 1/4 ton  | 1-14                      |                 |   | 1925 to '30;<br>Models 11, 11X, 611,<br>60, 64, 74, 200, 300  | 1-14  |   | 1928 to '32, 75<br>Jr., 76, 77, 88,<br>S20, S30 | 1 1/4-12                      |
|                 |   |                           |                 | INTERNATIONAL TRUCKS  | 1933 to '37, 1/2 ton<br>1924-'28 models   | 7/8-14  | WHITE TRUCK & BUSES   | 1924 to '29<br>Models 50A, 51                   | 1 1/4-12                      |
|                 |   |                           |                 |   | 1925 to '32; Models<br>SD, SL, SL34, SL36,<br>SF34, SF36, 15A, 15B,<br>S, SD, S24, S26, 6<br>Speed Spec., AW2, A1,<br>A2, B2, AL3, ALF3 | 1 1/4-12  |   |   | 1929-'30, 15B<br>(Late) 57    |
|                 |   |                           |                 | 1926 to '31, 3/4 ton  | 1-14  | WILLYS  | 1933 to '37, 77   | 3/4-16  |                               |
|                 |   |                           | LA SALLE        | 1934 to '37   | 1-14  |   |   | 1929 to '31, 66B                                | 1-14                          |
|                 |   |                           |                 |   | 1927 to '33   | 1 1/8-12  | YELLOW TRUCK & COACH  | All others                                      | 7/8-14                        |
|                 |   |                           |                 |   |   |   | 1925 to '28 T2,<br>Knight   | 7/8-14  |                               |

# BONNEY BRAKE TOOLS



*The Finest that Money Can Buy*



## No. 2680 Brake Spring Plier

**D**ESIGNED especially for the removal and replacement of internal brake springs on cars and trucks of all types and sizes, this new brake spring plier will be found unusually efficient.

The hooked end of the plier grasps the brake spring firmly, while the "goose-neck" pointed side of the plier makes firm contact with the brake lining on the shoe and prevents any possibility of slipping.

The plier can be used equally well in the removal of springs held in place by the hole in the brake shoe (Fig. 1), or by a stud attached to the brake shoe (Fig. 2).

In replacing brake springs on brakes that have the stud fastened to the brake shoe (Fig. 3), the notched end of the plier will be found exceptionally useful.

The No. 2680 Brake Spring Plier is drop forged of Bonaloy Steel, carefully heat-treated, with full chromium plated finish. It weighs only 11 ounces. Its 12½" length provides leverage to handle the strongest springs with ease.

## No. 51 Brake Set

6 Pieces

Contains the six brake tools most often needed in the servicing and adjusting of brakes on practically all makes and models of cars and trucks. Individual tools are described on this page and pages 76 and 77.

Contents include on each:

| Nos. 2566 | Nos. 2561 |
|-----------|-----------|
| 2566A     | 2680      |
| D2857     | K50       |

packed in a handy leatherette roll.

## No. K50 Brake Adjusting Gauge

A feeler gauge designed expressly for measuring clearance between brake drum and shoe. Blades are made from finest, imported Swedish Steel, carefully heat-treated and tempered to withstand wear. Each blade is tested to insure the exact thickness etched on it.

It is equipped with a knurled thumb nut for instant release and selection of the blade desired. When tightened, it holds the blade selected in working position, while blades not needed are securely locked in the handle.

No. K50 has 9 blades, each 4" long, in the following thickness—.006; .008; .010; .012; .015; .018; .020; .022 and .032.



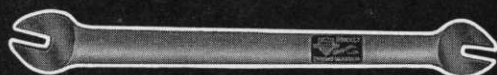
*The Finest that  
Money Can Buy*



Nos. 2566 and 2566A



Nos. 2857 and D2857



No. 2561



No. 2599



No. 4564



Nos. 2612 and 2618

## BRAKE WRENCHES and TOOLS

### Nos. 2566 and 2566A

For making brake adjustments on cars equipped with Bendix Brakes. No. 2566 has  $\frac{1}{2}$ " width blades, is  $7\frac{1}{2}$ " overall. No. 2566A has  $\frac{1}{2}$ " width blades, is 8" overall. Full chrome plated finish.

### Nos. 2857 and D2857

For making adjustments on brakes on Ford cars and trucks. Has  $\frac{7}{16}$ " and  $\frac{1}{2}$ " openings. Drop-forged and chrome plated. Length overall  $10\frac{3}{4}$ ".

No. 2857—Square openings

No. D2857—Double Square openings

### No. 2561

Specially designed for adjustment of Bendix Brake eccentric. Has  $\frac{3}{16}$ " and  $\frac{1}{4}$ " openings. Length overall 8".

### No. 2599

Designed especially for adjustments on Bendix and other makes of hydraulic brakes.

The curved blade is for "star wheel" brake adjustments, while the open end is for adjusting the eccentric nut on all Bendix two shoe brakes.

Drop forged of Bonaloy steel with plated finish. Blade is  $\frac{3}{8}$ " wide. Open end has  $\frac{3}{16}$ " opening. Overall length  $9\frac{1}{8}$ ".

### No. 4564

For adjustments on Oldsmobile, Pontiac and Buick "40" brake anchor pins. The box end is used on rear brakes, the open end on front brakes. Both ends have  $1\frac{5}{16}$ " openings. Length  $15\frac{1}{2}$ " overall.

## Open End Box Wrenches For Copper Tube Fittings

Drop forged of Bonaloy Steel, carefully heat treated and heavily chrome plated, these wrenches have slotted, double hexagon openings for removal and replacement of copper tube flare nuts and fittings on hydraulic brake lines and gas lines. Heads are offset at  $15^\circ$  angle and openings are at  $15^\circ$  for efficiency. Handles are panelled and different size openings are in each end.

| No.  | Openings                        | Length         |
|------|---------------------------------|----------------|
| 2612 | $\frac{3}{8}$ & $\frac{1}{2}$   | $4\frac{3}{4}$ |
| 2618 | $\frac{7}{16}$ & $\frac{9}{16}$ | 5              |



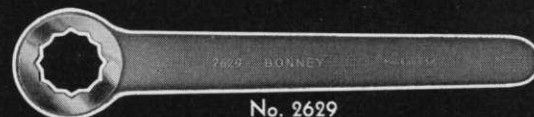
## BRAKE WRENCHES and TOOLS



*The Finest that  
Money Can Buy*

### No. 2629 Brake Wrench for Chrysler Built Cars

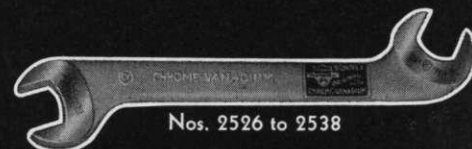
**A** DROP FORGED, single head box wrench with  $1\frac{1}{16}$ " double hexagon opening for brake use on Chrysler, Dodge, DeSoto and Plymouth cars. Has fully chrome plated finish.



No. 2629

### Nos. 2526 to 2538

| No.   | Openings                    |                   |
|-------|-----------------------------|-------------------|
|       | $22\frac{1}{2}^{\circ}$ end | $60^{\circ}$ end  |
| 2537  | $\frac{1}{2}$ "             | $\frac{9}{16}$ "  |
| 2538  | $\frac{9}{16}$ "            | $\frac{1}{2}$ "   |
| 2526  | $\frac{5}{8}$ "             | $\frac{5}{8}$ "   |
| 2526A | $\frac{9}{16}$ "            | $\frac{9}{16}$ "  |
| 2526B | $\frac{11}{16}$ "           | $\frac{11}{16}$ " |



Nos. 2526 to 2538

All are  $6\frac{1}{4}$ " long, heads  $\frac{7}{32}$ " thick.

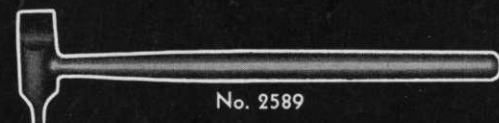
### Long Engineer's Wrenches

Designed especially for brake adjustments, spring clips, etc., these wrenches are drop-forged of 'CV' Chrome-Vanadium Steel, fully chrome plated and with polished heads.



Long Engineers' Wrenches

| No.    | Openings                              | Thickness of Heads | Length |
|--------|---------------------------------------|--------------------|--------|
| 1731AL | $\frac{3}{4}$ " & $\frac{7}{8}$ "     | $\frac{3}{8}$ "    | 15"    |
| 1034AL | $\frac{15}{16}$ " & $\frac{11}{16}$ " | $\frac{17}{32}$ "  | 16"    |
| 1735L  | 1" & $\frac{11}{8}$ "                 | $\frac{17}{32}$ "  | 16"    |



No. 2589

### No. 2589

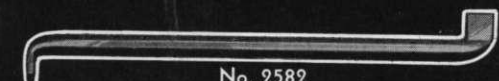
A special tool which is unusually useful in making certain brake and steering gear adjustments. Blade is  $\frac{5}{64}$ " thick and  $\frac{1}{4}$ " in width. Overall length is 7".



No. 2862

### No. 2862

Designed principally for anchor bolt adjustments on Bendix brakes this wrench is also especially adapted to brake adjustments on 1936 Buick cars. Drop-forged of Bonaloy Steel, it has  $\frac{15}{16}$ " and  $\frac{11}{16}$ " double hexagon openings. Overall length is  $15\frac{5}{8}$ ". Is fully chrome plated, with polished heads.



No. 2582

### No. 2582

A special tool designed especially for adjusting brake anchor pins on 1935 and 1936 Pontiac cars. Blades are  $\frac{1}{2}$ " wide,  $\frac{9}{64}$ " thick. Overall length is 9".

### No. 2581

Designed for and specially adapted to adjustments on all Steeldraulic brakes. Length  $5\frac{1}{2}$ " overall.

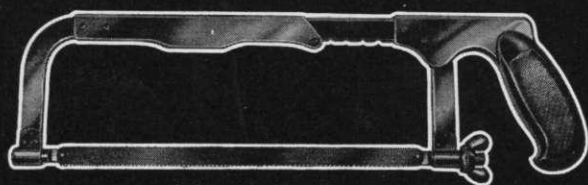


No. 2581



*The Finest that  
Money Can Buy*

## MISCELLANEOUS SPECIAL TOOLS



Adjustable Hack Saw Frame

### Adjustable Hack Saw Frame

**NO. 2628**—A sturdily built, adjustable hack saw frame that will give long and satisfactory service. The checkered steel pistol grip fits comfortably in the hand. The back is reinforced and is adjustable for from 8" to 12" blades. Blades may be faced in four directions. Has full nickel finish. Makes a splendid frame for automotive and industrial mechanics. Net weight 1½ lb.

### Flexible Hack Saw Blades

(Tungsten Alloy Steel)

Flexible Back-Hardened Teeth

The teeth in these blades are carefully milled and set for fast cutting. The blades are correctly hardened and tempered.



Flexible Hack Saw Blades

| No.   | Length | Width | Gauge | Teeth per inch | Blade Series |
|-------|--------|-------|-------|----------------|--------------|
| F1018 | 10"    | 1½"   | .025  | 18             | Coarse       |
| F1024 | 10"    | 1½"   | .025  | 24             | Medium       |
| F1032 | 10"    | 1½"   | .025  | 32             | Fine         |
| F1218 | 12"    | 1½"   | .025  | 18             | Coarse       |
| F1224 | 12"    | 1½"   | .025  | 24             | Medium       |
| F1232 | 12"    | 1½"   | .025  | 32             | Fine         |



All Hard Hack Saw Blades

### All Hard Hack Saw Blades

(Molybdenum High Speed Steel)

Non-flexible—for difficult jobs such as cutting chrome, nickel and high carbon steel.

| No.    | Length | Width | Gauge | Teeth per inch | Blade Series |
|--------|--------|-------|-------|----------------|--------------|
| HS1018 | 10"    | 1½"   | .025  | 18             | Coarse       |
| HS1024 | 10"    | 1½"   | .025  | 24             | Medium       |
| HS1032 | 10"    | 1½"   | .025  | 32             | Fine         |
| HS1218 | 12"    | 1½"   | .025  | 18             | Coarse       |
| HS1224 | 12"    | 1½"   | .025  | 24             | Medium       |
| HS1232 | 12"    | 1½"   | .025  | 32             | Fine         |



Makes a dandy scraper



Extra blades  
in handle



Shop Knife

Handy for opening  
cartons

### No. 199 Shop Knife

One of the handiest tools in the Bonney Line. A strong, light-weight, perfectly balanced shop knife that every mechanic should have in his tool kit. Supplied with five razor-keen blades in the handle. Especially suited for trimming upholstery, top material, rubber, leather, etc. and for cutting gaskets, shims, kickboards, cardboard, etc. Indispensable for opening cartons. Turn the blade crosswise in the handle and it makes a dandy scraper for removing old inspection stickers from windshields. Length overall 6".

# MISCELLANEOUS SPECIAL TOOLS



*The Finest that Money Can Buy*

## BONNEY Feeler Gauges

Bonney Feeler Gauges are made from the finest, imported Swedish Steel, carefully heat-treated and tempered to withstand wear. Each blade is tested to insure the exact thickness which is etched on it.

Bonney Feeler Gauges are equipped with a knurled thumb nut for instant release and selection of the blade desired. When tightened, this thumb nut securely holds the blade selected in working position, while blades not needed are securely locked in the handle.

### No. K50 Brake Adjusting Gauge

For measuring clearance between brake drum and shoe. 9 blades 4" long in the following thicknesses—.006; .008; .010; .012; .015; .018; .020; .022 and .032.

### No. K51 General Purpose Gauge

Especially for tappet and ignition work—the most popular gauge on the market. 10 blades 1 5/8" long, 10 blades 3 1/8" long and 3" point file. Short blades in following thicknesses—.012; .013; .014; .018; .020; .022; .024; .025; .028; .032. Long blades in following thicknesses—.002; .003; .004; .005; .006; .007; .008; .010; .013; .015.

### No. K52 Ignition Gauge

Contains 10 narrow blades 1 5/8" long and 3" point file for ignition, distributor points and spark plugs. Thickness of blades included as follows—.012; .013; .014; .018; .020; .022; .025; .028; .032 and .035.

### No. K53 Universal Master Gauge

Has full range of spacers—25 blades, each 3 5/8" long in following thicknesses—.0015; .002; .003; .004; .005; .006; .007; .008; .009; .010; .011; .012; .013; .014; .015; .016; .018; .020; .022; .024; .025; .028; .030; .032 and .035.

### No. K54 Standard Feeler Gauge

Contains 10 blades 3 5/8" long in following sizes—.002; .003; .004; .005; .006; .007; .008; .010; .012 and .015.

### No. K55 Extra Long Feeler Gauge

Exceptionally useful for pistons, etc. Has 8 blades, each 8 5/8" long in the following sizes—.002; .003; .004; .005; .006; .008; .010; .015.

### No. K56 Single End Feeler Gauge Stock Holder

POSITIVE ADJUSTABLE LOCK

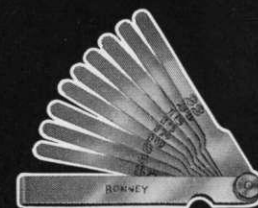
Any thickness of feeler gauge stock coils within the handle and can readily be pulled out for use. Any desired length of strip stock or standard 12" blades may be used. Positive sliding lock securely holds blades. Made from hard drawn, cold rolled steel and satin nickel plated. Length 4 1/2". Weight 1 oz.

## Extra Blades

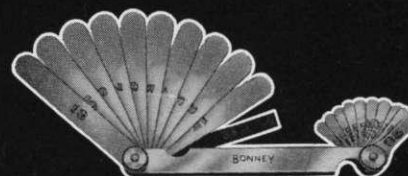
Designed to fit practically any holder, the 3 5/8" blades are available in all the popular range of thicknesses and with hole for insertion in gauges. The 12" lengths are popular for use in the No. K56 Stock Holder which makes the blades usable to the end.

Both 3 5/8" and 12" blades are packed 6 in a cellophane envelope. Sizes are listed below.

| 1/2" x 3 5/8" Blades |           | 1/2" x 12" Blades |           |
|----------------------|-----------|-------------------|-----------|
| Number               | Thickness | Number            | Thickness |
| K0015                | .0015     | KL0015            | .0015     |
| K002                 | .002      | KL002             | .002      |
| K004                 | .004      | KL004             | .004      |
| K005                 | .005      | KL005             | .005      |
| K006                 | .006      | KL006             | .006      |
| K007                 | .007      | KL007             | .007      |
| K008                 | .008      | KL008             | .008      |
| K010                 | .010      | KL010             | .010      |
| K012                 | .012      | KL012             | .012      |
| K013                 | .013      | KL013             | .013      |
| K015                 | .015      | KL015             | .015      |
| K016                 | .016      | KL016             | .016      |
| K018                 | .018      | KL018             | .018      |
| K024                 | .024      | KL024             | .024      |
| K025                 | .025      | KL025             | .025      |
| K032                 | .032      | KL032             | .032      |
| K035                 | .035      | KL035             | .035      |
| K040                 | .040      | KL040             | .040      |



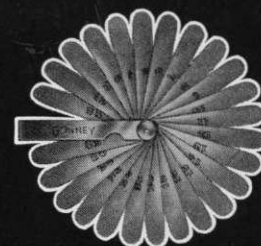
No. K50



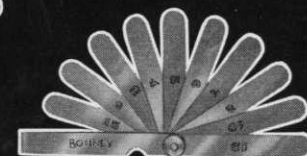
No. K51



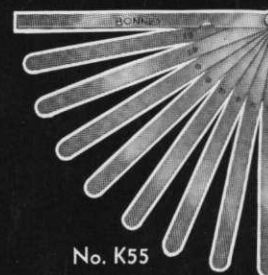
No. K52



No. K53



No. K54



No. K55



No. K56

BONNEY

No. K0015 to No. K040

BONNEY

No. KL0015 to No. KL040





*The Finest that  
Money Can Buy*

## MISCELLANEOUS SPECIAL TOOLS

### Bonney Files

**B**ONNEY Files are made in 7 types and each type in the sizes which find most common use, as shown in the tables below. They are of quality consistent with all other tools in the Bonney Line.

| MILL<br>BASTARD | FLAT<br>BASTARD | SQUARE<br>BASTARD |
|-----------------|-----------------|-------------------|
| Size            | Size            | Size              |
| 6"              | 6"              | 6"                |
| 8"              | 8"              | 8"                |
| 10"             | 10"             | 10"               |
| 12"             | 12"             | 12"               |
| 14"             | 14"             | 14"               |
| 16"             | .....           | .....             |

| ROUND<br>BASTARD | HALF-ROUND<br>BASTARD | LEAD FLOAT OR<br>WOOD (FLAT) | EXTRA-SLIM<br>TAPER |
|------------------|-----------------------|------------------------------|---------------------|
| Size             | Size                  | Size                         | Size                |
| 6"               | 6"                    | .....                        | 5"                  |
| 8"               | 8"                    | .....                        | 6"                  |
| 10"              | 10"                   | .....                        | 8"                  |
| 12"              | 12"                   | 12"                          | .....               |
| 14"              | 14"                   | 14"                          | .....               |

Standard Package Quantities—Files up to and including 10" in length are packed 1 dozen to the package. Files over 10" in length are packed 1/2 dozen to the package.

### File Handles

Handles are of wood—plain, without finish. They have metal ferrule which prevents splitting at the file tang opening. Made in three sizes—Small for 5" and 6" files; Medium for 8" and 10" files; Large for 12", 14" and 16" files.

### Point File

The Bonney Point File is a quality file, guaranteed to file platinum and tungsten points on all ignition systems. 5 3/8" long overall. Sold one dozen on attractive display card.

### Handy Holding Tools

These tools are ideal for screw holding, gripping, inserting, removing and picking up. They work equally well on screws, washers, nuts, bolts, taper pins, valve pins and similar objects.

The four fingers (made of spring steel) are forced outward and open when pressure is brought on the plunger. When the pressure is released the strong coil spring closes the fingers tightly around the object. It is impossible for the object to lean over or fall out.

Bonney Handy Holding Tools are used by electricians, radio service men, locksmiths, piano tuners, and in servicing typewriters, adding, calculating, linotype and similar machines, as well as by automotive mechanics.

Finished in full nickel.

| No. | Reach | Overall Length |
|-----|-------|----------------|
| K4  | 4"    | 6 3/4"         |
| K6  | 6"    | 8 3/4"         |
| K8  | 8"    | 10 3/4"        |
| KF  | 12"   | 14 3/4"        |



Mill



Flat



Square



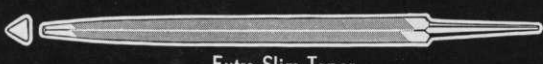
Round



Half-Round



Lead Float or Wood



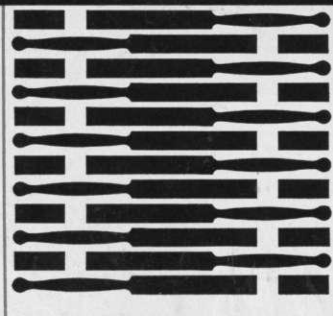
Extra-Slim Taper



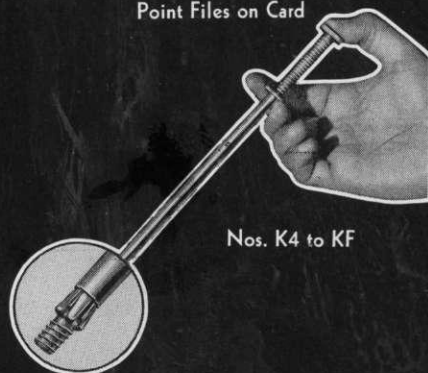
File Handle



*the* **BONNEY**  
Point File  
Guaranteed to File  
Platinum and Tungsten Points



Point Files on Card



Nos. K4 to KF

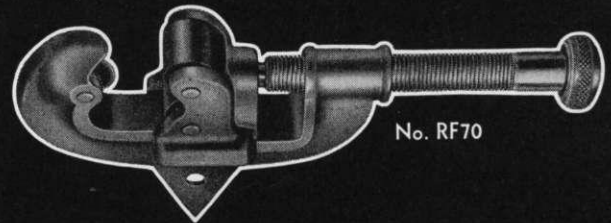
## MISCELLANEOUS SPECIAL TOOLS



*The Finest that  
Money Can Buy*

### No. RF70 Tube Cutter

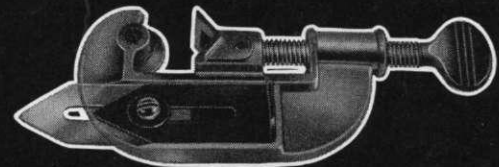
**H**ERE'S a fine quality, compact, light, strong cutter for brass or copper tubing from  $\frac{1}{8}$ " to 1". The razor-edge cutting wheel is of alloy steel and gives a quick, clean cut. Put the cutter on the tubing, screw the rollers up tight and simply turn the tool around the tubing until the cut is made. No additional adjustment of the screw is needed. The tubing is not distorted and the rollers smooth the tube ready for soldering or flaring. Net weight 1 lb.



No. RF70

### No. RF59 Tube Cutter

A compact, efficient tube cutter for all tubing from  $\frac{1}{8}$ " to 1" O. D. Body is an alloy die casting. Wafer-tapered, hardened cutting blade makes cutting easy and with practically no burr. The slide-lock safety reamer opens instantly and protects the hands when not in use. It may be safely carried in your pocket. A low-priced, quality tool. Net weight  $\frac{1}{2}$  lb.



No. RF59

### Tube Benders

#### EXTERNAL TYPE

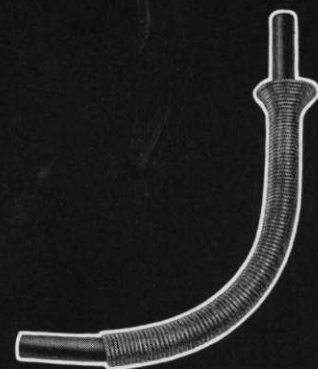
Ideal for bending copper and other tubing by hand to any desired shape without collapsing the tube.

Made of special oil-hardened spring steel, cadmium plated. The belled end assures ease in removing the tubing after the bend has been made.

| No.  | For Size Tubing  | No.  | For Size Tubing  |
|------|------------------|------|------------------|
| RF60 | $\frac{1}{4}$ "  | RF63 | $\frac{7}{16}$ " |
| RF61 | $\frac{5}{16}$ " | RF64 | $\frac{1}{2}$ "  |
| RF62 | $\frac{3}{8}$ "  | RF65 | $\frac{5}{8}$ "  |

### No. RF66 Tube Bender Set

Every service man should have a complete set of tube benders in his kit. The set consists of one each of the above sizes.



Nos. RF60 to RF65

*The Finest that Money Can Buy*

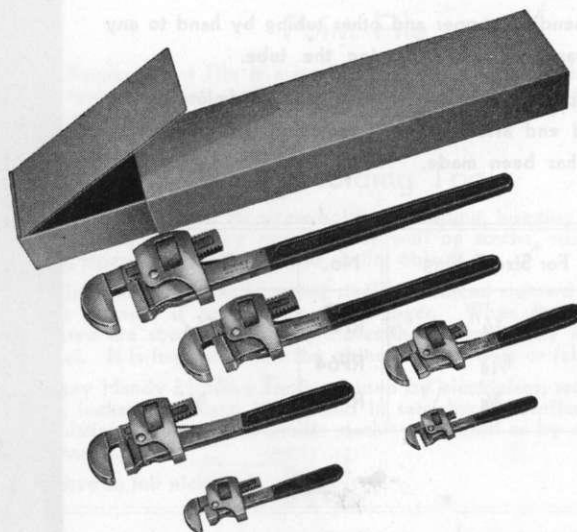


## BONNEY STILLSON WRENCHES

**B**ONNEY Stillson Wrenches are correctly designed and sturdily built. They are made of materials considered most suitable for the work to which wrenches of this type are subjected. The handles and jaws are drop-forged and specially heat-treated to produce tough, durable teeth. The knurled adjusting nut is machined from solid stock to assure smooth working surfaces, while the frame is a semi-steel casting.

| Length | Grips Pipe     | Length | Grips Pipe     |
|--------|----------------|--------|----------------|
| 6"     | 1/8" to 1/2"   | 18"    | 1/4" to 2"     |
| 8"     | 1/8" to 3/4"   | 24"    | 1/4" to 2 1/2" |
| 10"    | 1/8" to 1"     | 36"    | 1/4" to 3 1/2" |
| 14"    | 1/4" to 1 1/2" | 48"    | 1" to 5"       |

### No. 77 Stillson Wrench Set



The Bonney Stillson Wrench Set No. 77 was specially selected to cover a wide range of requirements for Stillson Wrenches. It contains one each of the 6 inch, 8 inch, 10 inch, 14 inch, 18 inch and 24 inch Wrenches. Comes packed in substantial box. Weight 18 lbs.



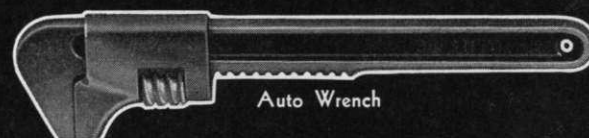
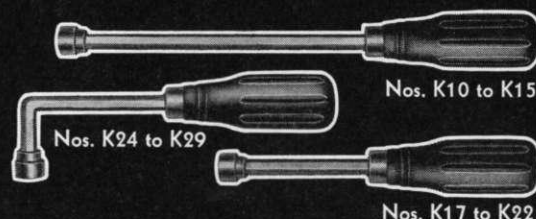


# BONNEY ADJUSTABLE and SPINNER WRENCHES

*The Finest that  
Money Can Buy*



Open End Adjustable Wrenches



Auto Wrench

## Open End Adjustable Wrenches

**B**ONNEY Open End Adjustable Wrenches are designed to fit either square or hexagon nuts. They are drop forged of alloy steel, fully chrome plated, with polished jaws. Jaws are unusually thin to get into normally inaccessible places. Both handle and jaw are hardened and tempered in oil. They will not break or wear in the gear teeth and allow play in the wrench, permitting the jaw to slip off the nut. Four tempered threads meshing in the forged jaw permit great pressure on the handle.

Five sizes of Bonney open end Adjustable Wrenches are available as listed in the table below.

| Number | Size (Length) | Capacity | Net Weight each |
|--------|---------------|----------|-----------------|
| BW4    | 4"            | 1/2"     | 3 oz.           |
| BW6    | 6"            | 3/4"     | 5 oz.           |
| BW8    | 8"            | 1 5/16"  | 10 oz.          |
| BW10   | 10"           | 1 1/8"   | 1 lb. 1 oz.     |
| BW12   | 12"           | 1 7/16"  | 1 3/4 lb.       |

## Auto Wrenches

A very useful and handy wrench for many purposes. Drop-forged of quality steel and full polished.

Two sizes—9" and 11" lengths.

## Spinner Wrenches

**D**ESIGNED especially for reaching the little nuts that can be handled only with exceptionally small sockets. Made like a screw driver with a wood handle and a hexagon socket on the end that grips the nut firmly.

The shanks are of 1/4" hexagon rod. They can be gripped with pliers or a wrench to loosen an unusually tight nut.

Furnished in 6" or 9" length, or in bent handle type as shown.

| No. | Hexagon Opening | Overall Length |
|-----|-----------------|----------------|
| K10 | 3/16            | 9" Straight    |
| K11 | 1/4             | 9" Straight    |
| K12 | 5/16            | 9" Straight    |
| K13 | 11/32           | 9" Straight    |
| K14 | 3/8             | 9" Straight    |
| K15 | 7/16            | 9" Straight    |
| K17 | 3/16            | 6" Straight    |
| K18 | 1/4             | 6" Straight    |
| K19 | 5/16            | 6" Straight    |
| K20 | 11/32           | 6" Straight    |
| K21 | 3/8             | 6" Straight    |
| K22 | 7/16            | 6" Straight    |
| K24 | 3/16            | 6" Offset      |
| K25 | 1/4             | 6" Offset      |
| K26 | 5/16            | 6" Offset      |
| K27 | 11/32           | 6" Offset      |
| K28 | 3/8             | 6" Offset      |
| K29 | 7/16            | 6" Offset      |



*The Finest that  
Money Can Buy*

**B**ONNEY Screw Drivers are made with solid, forged, one-piece blades. The blades are formed with an upset shoulder against which the handles are forced (except in the electricians' pattern). Each blade is heat treated throughout its entire length and is ground and polished. They are firmly anchored in the handles to prevent turning or loosening. The tips are accurately taper ground to insure a non-slip fit in screw slots.

## BONNEY SCREW DRIVERS

All screw drivers shown on this page and page 85 have exceedingly tough handles that are non-conductors of electricity. The handles are fluted and provide a secure, comfortable grip. Bonney Screw Drivers are not only the most durable and most practical drivers ever offered to the mechanic, but are finished in keeping with the high quality of the tool.

### Round Shank

Solid, forged, one-piece blades are forced into handles against the upset shoulder to insure an absolutely tight fit. The blades are heat treated throughout their entire length. Handles are of transparent, non-conducting composition.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| 04  | 4"              | 1/4"         | 7 3/4"         |
| 06  | 6"              | 5/16"        | 10 1/4"        |
| 08  | 8"              | 3/8"         | 13"            |
| 012 | 12"             | 7/16"        | 17 1/2"        |

### Square Shank

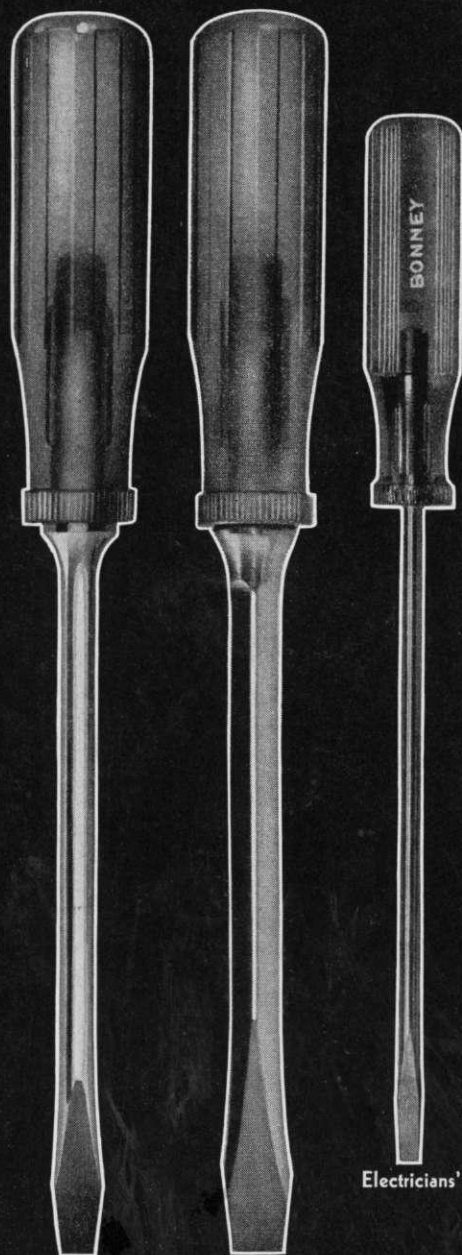
Blades are forged in one piece, heat treated their full length and firmly anchored in the handles. Handles are non-conductors of electricity. The tip is not merely an extension of two of the square shank surfaces, but is forged and taper-ground.

| No.  | Length of Blade | Width of Tip | Overall Length |
|------|-----------------|--------------|----------------|
| S04  | 4"              | 5/16"        | 7 3/4"         |
| S06  | 6"              | 7/16"        | 10 1/4"        |
| S08  | 8"              | 1/2"         | 12 3/4"        |
| S012 | 12"             | 1/2"         | 17 1/2"        |

### Electricians'

This line of screw drivers has many uses in electrical work. They are of the same high quality and finish as the drivers described above. Made in three sizes.

| No.  | Length of Blade | Width of Tip | Overall Length |
|------|-----------------|--------------|----------------|
| 003  | 3"              | 3/16"        | 6 1/2"         |
| 006  | 6"              | 3/16"        | 9 1/2"         |
| 0010 | 10"             | 3/16"        | 13 1/2"        |



Round Shank

Square Shank

Electricians'

# BONNEY SCREW DRIVERS

## No. 001 Pocket Size

**E**VERY mechanic has need for a pocket size screw driver. The No. 001 will "fill the bill" in every way. Clip for securely holding the driver in pocket supplied with each one. The blade is forged with taper-ground tip and the handle is of transparent, non-conducting composition.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| 001 | 2"              | 1/8"         | 4"             |

## No. E02 Pocket Size With Neon Tube

For "out on the road" jobs, this screw driver is one of the handiest tools in a mechanic's kit.

It has a tough, composition handle that is a non-conductor of electricity, with a neon tube for testing spark plugs. The tip is magnetized and a wire guard slides over the tip to protect the pocket. A handy, pocket clip is also supplied. The blade is forged of special screw driver steel, heat-treated, with taper-ground tip.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| E02 | 2 1/4"          | 1/8"         | 5"             |

## No. 00A Instrument Screw Driver

**A** mighty handy little tool for making delicate adjustments on fine electrical, radio and ignition apparatus. Made in exactly the same way and of the same quality materials as its "big brothers" shown on the preceding pages. Handle is non-conductor type.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| 00A | 1 1/2"          | 1/16"        | 2 7/8"         |

## No. E03 With Neon Tube

The neon tube in the tough composition handle of this screw driver makes it a most useful tool for automotive and electrical work. It's made to stand hard usage.

When testing spark plugs, a brilliant, orange flash shows the plug is O. K. Completely shorted plugs produce no flash. A "stringy" flash shows the plug is partly fouled.

The blade is forged with taper-ground tip and securely anchored in the handle.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| E03 | 3"              | 3/16"        | 6 1/2"         |

## Adjusting

**A** strong, sturdy screw driver for making fine adjustments. The handle is designed to fit comfortably in the hand and to provide a firm grip. It is of transparent, non-conducting composition.

| No. | Length of Blade | Width of Tip | Overall Length |
|-----|-----------------|--------------|----------------|
| S01 | 1 3/4"          | 1/4"         | 3 3/4"         |
| S02 | 1"              | 1/4"         | 2 3/4"         |



*The Finest that Money Can Buy*



No. 001



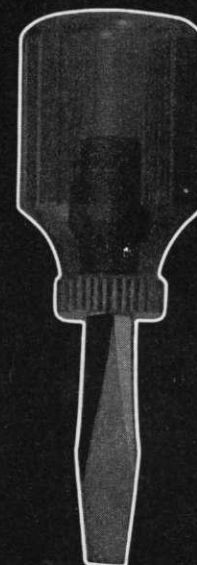
No. E02



No. 00A



No. E03



Adjusting





*The Finest that  
Money Can Buy*

## BONNEY WOOD HANDLE SCREW DRIVERS

### No. WO3 Series

**T**HIS line of quality, wood handle screw drivers will stand up under severe use. Blades are drop-forged from selected alloy steel and carefully heat treated their entire length. Tips are taper-ground.

The hardwood handles are fluted to provide a firm, comfortable grip and bolsters firmly anchor the blades to the handles.

| No.  | Length of Blade | Width of Tip   | Overall Length  |
|------|-----------------|----------------|-----------------|
| W03  | 3               | $\frac{7}{32}$ | $7\frac{1}{4}$  |
| W04  | 4               | $\frac{1}{4}$  | 9               |
| W06  | 6               | $\frac{5}{16}$ | $11\frac{3}{4}$ |
| W08  | 8               | $\frac{3}{8}$  | $14\frac{1}{2}$ |
| W010 | 10              | $\frac{7}{16}$ | $16\frac{1}{2}$ |

### No. WO5 Screw Driver Set

This assortment contains one each of numbers W03, W04, W06, W08 and W010. It offers a remarkably complete set which meets practically every screw driver need. All of them are made to withstand long, severe use. Balance which distinguishes all fine tools is built into every Bonney Screw Driver.

### No. WO15 Tappet Adjusting Screw Driver

A wood handle tool similar to a screw driver for tappet adjusting jobs on overhead valve motors (Chevrolet, Buick, etc.) It is designed so that it cannot slip out of the slot. To be used in connection with open end wrench for tappet adjustments. Length overall  $6\frac{1}{2}$ ".

### Bonney Replaceable Bit Screw Driver

#### For Phillips and Slotted Head Screws

One handle—5 bits—give you five quality screw drivers for little more than the price of one.

Chuck or bit holder is an improvement on the principle of taper shank engagement. Insert proper bit in chuck and tap it on a piece of wood to secure it in place. Rap bar lightly, near the tip, to release the bit.

The chuck is forged as an integral part of the tempered alloy steel bar. The hardwood handle is securely fastened to the bar and provides a comfortable grip. The bits are made of high quality alloy steel. They are carefully tempered and hardened to give maximum wear for driving case-hardened screws. Precision made, they will prove entirely satisfactory where exact fit of bit to screws is necessary.

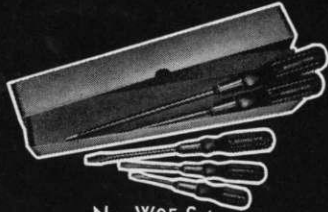
| No.  | Description  |
|------|--|
| W8   | Assortment, includes No. W8-1 Bit Holder and one each Bits Nos. W8-2, W8-3, W8-4, W8-5 and W8-6. |
| W8-1 | Bit Holder, Wood Handle, $8\frac{1}{4}$ " overall, weight 4 oz.                                  |
| W8-2 | Bit, fits Phillips Screws Nos. 5 to 9 (No. 2 Phillips Recess).                                   |
| W8-3 | Bit, fits Phillips Screws Nos. 10 to 16 (No. 3 Phillips Recess)                                  |
| W8-4 | Bit, fits slotted head screws Nos. 5—7 (actual thickness of bit .030")                           |
| W8-5 | Bit, fits slotted head screws Nos. 7—9 (actual thickness of bit .035")                           |
| W8-6 | Bit, fits slotted head screws Nos. 9 and larger (actual thickness of bit .040").                 |



Nos. W03 to W010



No. W015



No. W05 Set



No. W8-1



No. W8-2



No. W8-3



No. W8-4



No. W8-5



No. W8-6



*The Finest that Money Can Buy*

## BONNEY PLIERS

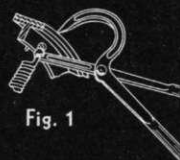
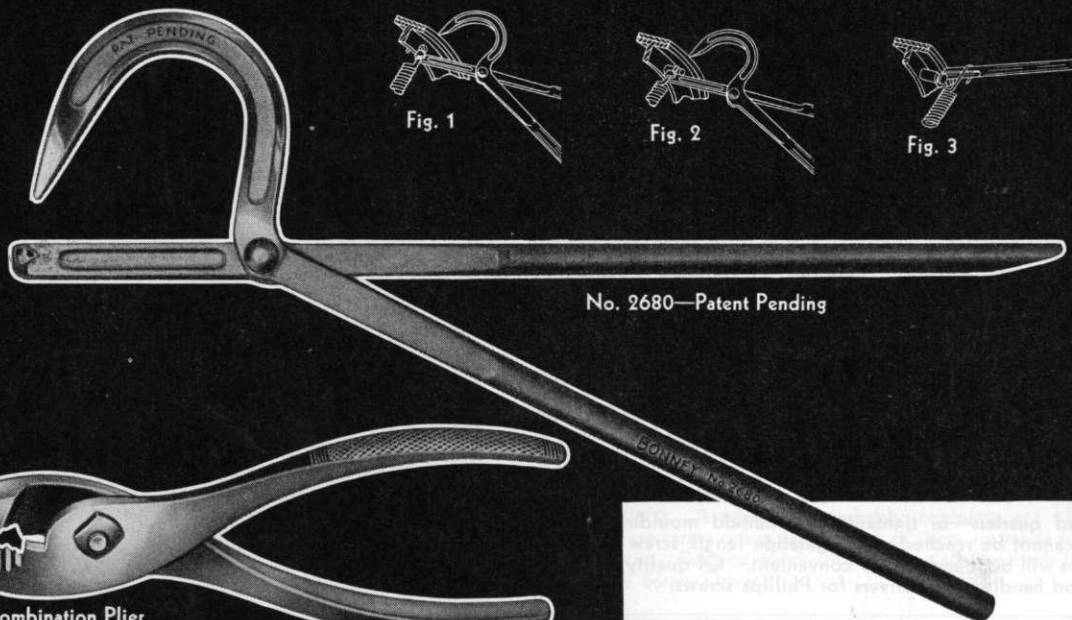


Fig. 1

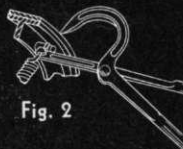


Fig. 2

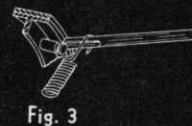
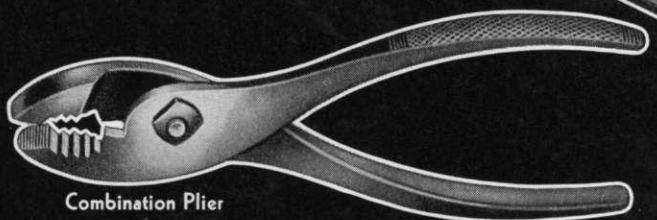
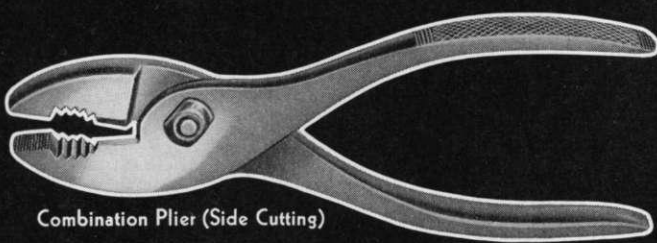


Fig. 3

No. 2680—Patent Pending



Combination Plier



Combination Plier (Side Cutting)

### No. 2680 Brake Spring Plier

Patent Pending

**A**n unusually efficient brake spring plier designed especially for the removal and replacement of internal brake springs on all types and sizes of cars and trucks.

The hooked end of the plier grasps the brake spring firmly, while the "goose neck" pointed side of the plier makes firm contact with the brake lining on the shoe and prevents any possibility of slipping.

The plier can be used equally well in the removal of springs held in place by the hole in the brake shoe or by a stud attached to the brake shoe.

In replacing brake springs on brakes that have the stud fastened to the brake shoe, the notched end of the plier will be found exceptionally useful.

Figure 1 illustrates the use of the plier in removing springs from brake shoes with the hole. Figure 2 illustrates the removal of the spring from brakes with the stud, and Figure 3 illustrates the ease with which springs may be replaced on brakes with the stud.

The No. 2680 Brake Spring Plier is drop forged of Bonaloy Steel, carefully heat-treated, with full chromium plated finish. It is light in weight, weighing only 11 ounces. The 12½" length of this plier permits leverage to handle the strongest springs with ease.

### Combination Pliers

**T**HIS series of combination pliers satisfies the demand for a line of pliers for general "all-purpose" work. They are accurately made of special steel to give them unusually long life. They are full finished and the handles are knurled. Great care was taken in the design to give them the perfect balance that promotes speedy work.

Nos. B5, B6, B8 and B10 are identical except for size. No. B15 has the additional feature of side-cutting jaws.

| No. | Description            |
|-----|------------------------|
| B5  | Combination Plier, 5"  |
| B6  | Combination Plier, 6"  |
| B8  | Combination Plier, 8"  |
| B10 | Combination Plier, 10" |

B15—Combination Plier (Side Cutting), 6 in.

# BONNEY PLIERS

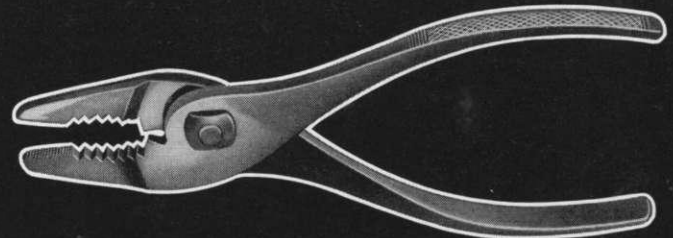


*The Finest that Money Can Buy*

## Thin Nose Combination Pliers

THIS TYPE of plier is the thin nose design which has many different uses. It is especially valuable for work in cramped spaces. Made of highest grade alloy steel. Completely polished and plated, with knurled handle.

| No. | Description                       |
|-----|-----------------------------------|
| B11 | Combination Plier (Thin Nose), 5" |
| B12 | Combination Plier (Thin Nose), 6" |



Thin Nose Combination Plier

## Linemen's Cutting Pliers

Made from alloy steel, light in weight and of great strength. The handles fit the hand perfectly and are knurled. The cutting qualities are unsurpassed. Full polished finish.

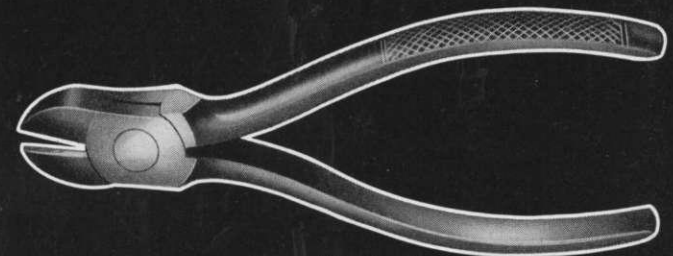
| No. | Description         |
|-----|---------------------|
| B22 | Linemen's Plier, 6" |
| B23 | Linemen's Plier, 8" |



Linemen's Cutting Plier

## No. B17 Diagonal Cutting Plier

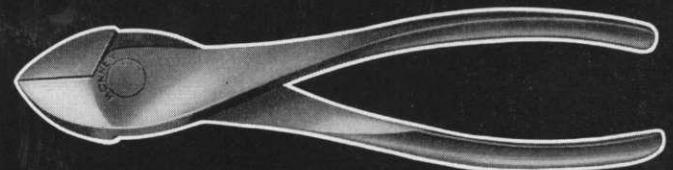
This plier is drop-forged from special analysis steel. The cutting edges are built to give long, hard service. Full polished finish with knurled handles. Length 6".



Diagonal Cutting Plier

## No. B18 Heavy Duty Diagonal Cutting Plier

Drop forged from a high grade, special analysis steel, this plier is heat treated throughout its entire length. The long cutting edges are carefully ground and made to withstand the hardest service. Finished with polished head and blued handles. Overall length 7".



Heavy Duty Diagonal Cutting Plier





*The Finest that  
Money Can Buy*

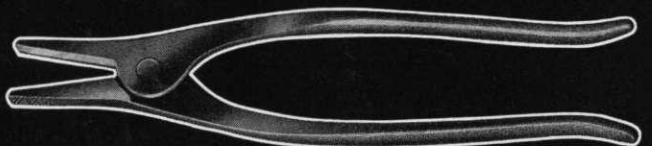
## BONNEY PLIERS



Long Nose Side Cutting Plier



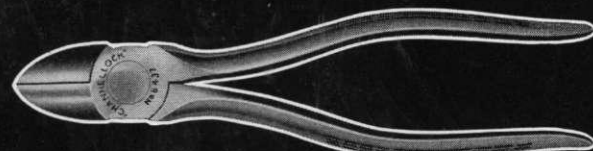
Headlight Bulb Plier



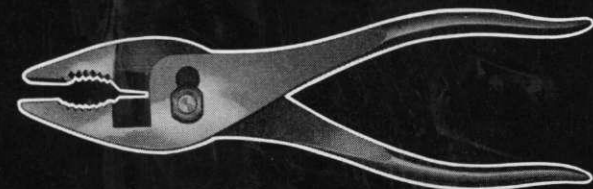
Lock Ring Plier



Self-Gripping Battery Plier



Diagonal Cutting Plier



Combination Side Cutting Plier

### No. B25 Long Nose Side Cutting Plier

This is a long, fine, spring-tempered nose, side cutting plier, drop-forged from alloy steel and carefully heat treated. The long nose of this plier will reach into tight places inaccessible with any other plier, and the keen edged cutter will cut practically any wire found in automotive work except the heavier ignition and battery cables. Each tool is individually tested for strength and cutting ability. Finished with polished nose and blued handles. Length 6".

### No. B24 Headlight Bulb Plier

A plier needed by every mechanic and service station attendant for removing broken headlight bulbs. Drop-forged of special steel with jaws shaped to fit around base of bulb and notched to insure a secure grip. Plated finish. Length overall 8 1/4 inches.

### No. B21 Lock Ring Plier

Designed especially to spread the snap lock rings and horseshoe type of brake key in order to remove them from brakes, transmissions, differentials, pedal, clutch and fan pulley shafts when removing them from the assembly. Drop-forged of chrome-alloy steel, chrome plated, with high permanent lustre. Outside of jaws are toothed to prevent any possibility of slipping. Plier will spread any lock ring washer up to 1 1/4" in diameter. Length 8".

## Champion-DEARMENT Pliers

### No. B307 Self-Gripping Battery Plier

Drop forged of high grade alloy steel, the jaws of this plier will take positive grip on anything that can be inserted in them. Pressure need be applied to only one handle. Joint is constructed to remove all strain from rivet. Blued finish, with knurled handles. Capacity 1/4" to 5/8". Length 7 inches. Net weight 6 ounces.

### No. B437 Diagonal Cutting Plier

Drop forged from special alloy steel and carefully heat treated. Handles are deeply knurled and shaped to assure a comfortable grip. Polished finish. Length 7 1/4". Net weight 8 ounces.

### No. B537 Combination Side Cutting Plier

Drop forged of alloy steel, heat-treated, this Champion DeArment Combination Side Cutting Plier is accurately and carefully made. Side cutting jaws are accurately ground. Handles are deeply knurled and provide a comfortable grip. Finished with blued handles and polished jaws. Length 7 1/2". Net Weight 8 1/2 oz.

# CHANNELLOCK PLIERS

TRADE MARK

REG. U. S. PAT. OFFICE



*The Finest that  
Money Can Buy*



← Note the Channellock

## No. B410 Self-Gripping Plier

The tongue and groove Channellock joint in these Self-Gripping Pliers provides a vise-like grip entirely independent of the gripping power of the user's hand. The most stubborn nut or pipe may be turned merely by applying pressure to one handle of the tool. The large bearing surface of the Channellock joint provides quick, positive adjustment, eliminating any possibility of shearing the joint bolt even under the extreme power provided by the plier. Made of highest grade alloy steel, carefully heat treated, with polished finish. Has four adjustments, providing gripping capacity from  $\frac{3}{16}$ " to  $1\frac{1}{8}$ ". Length  $9\frac{1}{2}$ ", net weight 15 oz.

## No. B420 Pump Plier

Light and thin, but of exceptional strength because of the Channellock feature, this plier is particularly serviceable in adjusting packing gland nuts on practically all cars, trucks and smaller industrial engines. The strain is removed from the bolt because of the Channellock feature, and there is no danger of the bolt breaking. Drop forged from special alloy steel, carefully heat treated. Has polished finish, knurled handles. Five adjustments provide a capacity from  $\frac{1}{2}$ " to  $1\frac{7}{8}$ ". Length  $9\frac{1}{2}$ ". Net weight 11 ounces.

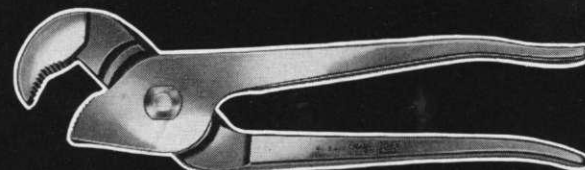
## No. B424 Ignition Plier

Drop forged from finest quality alloy steel, carefully heat treated, this plier has unusual strength because of the patented Channellock design. Because of the design, there is no strain on the bolt and no danger of the bolt breaking. Has polished finish, four adjustments. Length  $4\frac{1}{2}$ ". Net weight  $1\frac{1}{3}$  ounces.

## No. B407 General Purpose Plier

Drop forged of special alloy steel and carefully heat treated, this revolutionary plier has the patented Channellock feature. Self-gripping jaws take positive grip on acid corroded and mutilated battery terminal nuts. Pressure need be applied to only one handle. The more pressure the tighter the pliers grip. All strain is removed from the bolt. The thin nose clears filler caps.

Has two adjustments providing capacity from  $\frac{1}{8}$ " to  $\frac{9}{16}$ ", making it useful for removing small grease plugs, Alemite and small copper connections, etc. Also adaptable for brake rod connections. Has polished finish with knurled handles. Length 7 inches, net weight  $\frac{1}{2}$  lb.



Self-Gripping Plier



Pump Plier



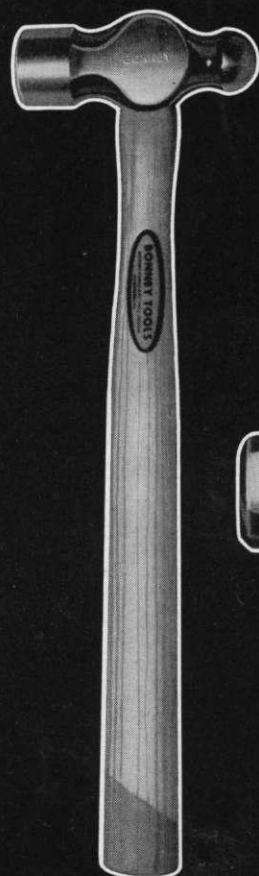
Ignition Plier



General Purpose Plier



*The Finest that  
Money Can Buy*



Ball Pein Hammer



Tire and Rim Hammer

## BONNEY HAMMERS

### Ball Pein Hammers

THE octagon-shaped heads of Bonney Ball Pein Hammers are drop-forged from special hammer steel, while the handles are made of fine, straight-grained hickory. The handles are dipped to toughen the eye end and are forced into the head and securely locked in position by two steel wedges.

| No.  | Head Weight | Length |
|------|-------------|--------|
| PH1  | 2 oz.       | 10"    |
| *PH2 | 3½ oz.      | 11"    |
| PH5  | ½ lb.       | 13"    |
| PH6  | ¾ lb.       | 14"    |
| PH7  | 1 lb.       | 14½"   |
| PH9  | 1½ lb.      | 16"    |
| PH10 | 2 lb.       | 16"    |
| PH13 | 3 lb.       | 16"    |

\*Known as a gasket hammer.

### No. PH19 Tire and Rim Hammer

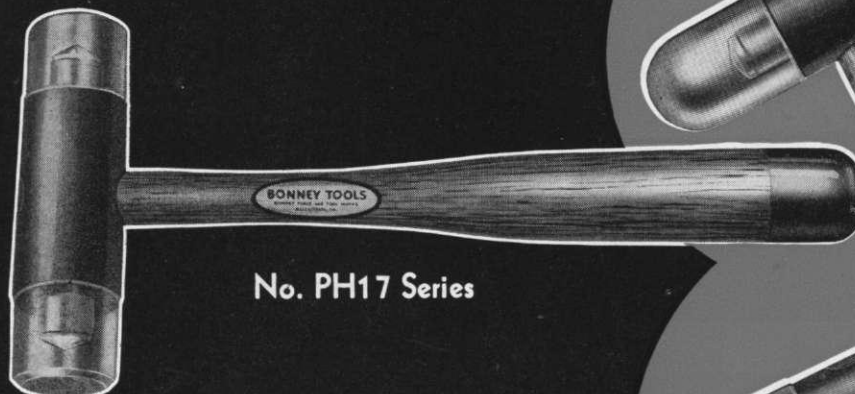
Drop-forged from a high grade hammer steel and carefully heat treated, this tire and rim hammer will be found to answer every requirement for this type tool. The head has polished finish. The handle is of the finest, straight grained, young hickory, securely fastened in the head. Head weight 3 lbs. Length overall, 16 inches.





*The Finest that Money Can Buy*

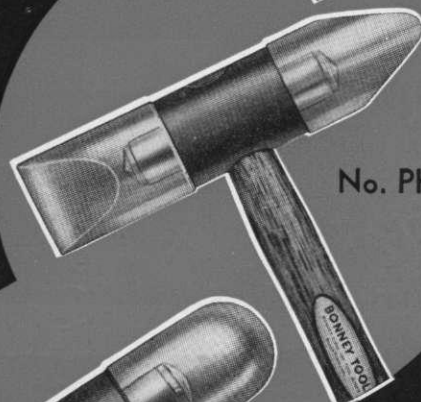
## BONNEY SOFT FACE HAMMERS



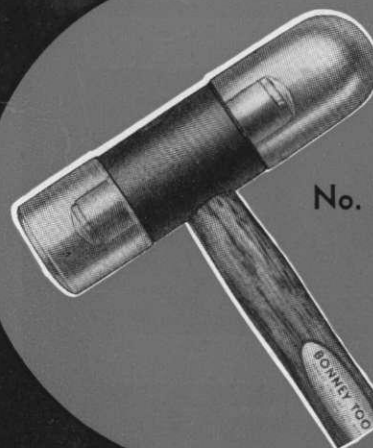
No. PH17 Series



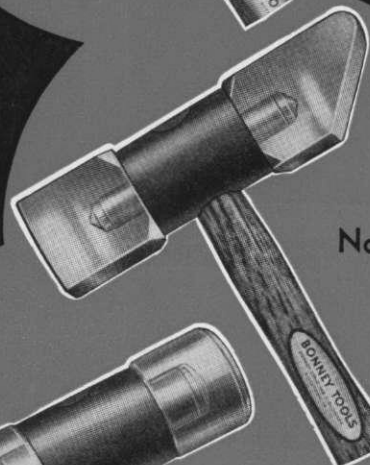
No. PH40



No. PH41



No. PH42



No. PH43



No. PH44

**B**ONNEY Soft Face Hammers have tough, amber colored cellulose tips that are replaceable. Handles are of quality hickory, shaped to afford a comfortable grip and are wedged securely in the steel center head.

These hammers are especially useful in aircraft factories, in body and fender repair work, etc., for shaping and forming light sheet metals, as well as in numerous assembly jobs requiring a hammer that will not mar a finely finished surface or delicate machine parts.

Handles are lacquered red with orange end and the steel center head is orange.

### Hammers Complete With Tips

| No.  | Type of Tips                            | Head Weight | Handle Length |
|------|---|-------------|---------------|
| PH17 | 2 Regular                               | 1½ oz.      | 7½"           |
| PH18 | 2 Regular                               | ¼ lb.       | 9"            |
| PH15 | 2 Regular                               | ½ lb.       | 11¾"          |
| PH20 | 2 Regular                               | 1 lb.       | 11¾"          |
| PH21 | 2 Regular                               | 2 lbs.      | 12½"          |
| PH40 | 2 Ball Pein                             | 9 oz.       | 11¾"          |
| PH41 | 1 Cross Pein & 1 Straight Pein          | 9 oz.       | 11¾"          |
| PH42 | 1 Regular & 1 Ball Pein                 | 9 oz.       | 11¾"          |
| PH43 | 1 Offset Pein & 1 Square                | 9 oz.       | 11¾"          |
| PH44 | 1 Regular & 1 Regular with Brass Insert | 10 oz.      | 11¾"          |

Nos. PH15, PH20, PH40, PH41, PH42, PH43, and PH44 all have the same size tip studs and tips are interchangeable.

**PACKING**—No. PH21 one in a box, all other sizes two in a box.

### Extra Tips

| For Hammer No. | Type of Tips                    | Tip Diameter |
|----------------|---------------------------------|--------------|
| PH17           | Regular—2 Required              | 5/8" Rd.     |
| PH18           | Regular—2 Required              | 7/8" Rd.     |
| PH15           | Regular—2 Required              | 1 1/8" Rd.   |
| PH20           | Regular—2 Required              | 1 3/8" Rd.   |
| PH21           | Regular—2 Required              | 1 5/8" Rd.   |
| PH40           | Ball Pein—2 Required            | 1 1/4" Rd.   |
| PH41           | Cross Pein—1 Required           | 1 1/4" Rd.   |
| PH41           | Straight Pein—1 Required        | 1 1/4" Rd.   |
| PH42           | Regular—1 Required              | 1 1/4" Rd.   |
| PH42           | Ball Pein—1 Required            | 1 1/4" Rd.   |
| PH43           | Offset Pein—1 Required          | 1 1/4" Rd.   |
| PH43           | Square—1 Required               | 1 1/4" Sq.   |
| PH44           | Regular—1 Required              | 1 1/4" Rd.   |
| PH44           | Tip for Brass Insert—1 Required | 1 1/4" Rd.   |
| PH44           | Brass Insert Only—1 Required    | 1 1/8" Rd.   |
| PH44           | Tip and Brass Insert            |              |

All tips are packed one dozen in a box.



*The Finest that  
Money Can Buy*

## BODYWORKERS' and UPHOLSTERERS' HAMMERS

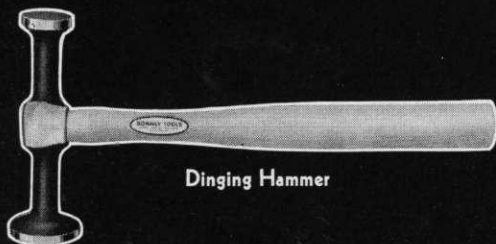
THE heads of all hammers in this line, with the exception of the Fender Bumping Mallet, are drop-forged from a high-grade hammer steel and are individually tempered. Handles are made from the finest grade selected, straight-grained young hickory and are securely anchored in the heads. These tools are in every way fit companions for those other tools in the Bonney Line which have gained the reputation of being "the finest that money can buy."



Bumping Hammer



Light Bumping Hammer



Dinging Hammer



Light Dinging Hammer



Special Bumping Hammer



Upholsterers' Magnetic Hammer



Tack Claw

### Bumping Hammer

No. PH22—Of the same construction described above, this hammer has polished faces and black body. Head  $4\frac{1}{4}$  inches long. Round face  $1\frac{1}{4}$  inches in diameter. Square face  $1\frac{1}{4}$  inches square. Overall length 12 inches.

### Light Bumping Hammer

No. PH23—A light weight finishing hammer with polished faces on the head and black body. Head 4" long. Round face  $1\frac{1}{4}$  inches diameter. Square face  $1\frac{1}{8}$  inches square. Overall length  $11\frac{1}{2}$  inches. Headweight 9 oz.

### Dinging Hammer

No. PH24—A finishing hammer with faces crowned and polished—body of head finished in black. Head 6 inches long. Large face  $1\frac{5}{8}$  inches diameter. Small face  $1\frac{1}{4}$  inches diameter. Overall length 12 inches. Head weight 13 oz.

### Light Dinging Hammer

No. PH25—A sturdily made, light weight finishing hammer. Head  $6\frac{1}{2}$  inches long. Large face  $1\frac{1}{4}$  inches square. Small face  $1\frac{1}{16}$  inches diameter. Overall length  $11\frac{1}{2}$  inches. Head weight 10 oz.

### Special Bumping Hammer

No. PH26—The head is drop-forged with bullet shaped end which makes it easy to remove small dents. Face of the head is polished with body finished in black. Strong hickory handle. Head 4 inches long. Overall length 12 inches. Head weight 7 oz.

### Upholsterers' Magnetic Hammer

No. PH27—Head is  $5\frac{1}{2}$  inches long, polished all over and one end is magnetized. Overall length 12 inches. Head weight 7 oz.

### Tack Claw

No. PH28—For attaching to handle of No. PH27 Upholsterers' Magnetic Hammer. Full polished finish. Weight 1 oz.

# BODYWORKERS' and UPHOLSTERS' HAMMERS



*The Finest that  
Money Can Buy*

## Fender Bumper

**NO. PH29**—Used underneath the fender in roughing out bumps. Its design eliminates the necessity of removing the wheels. Head 8 inches long. Face  $1\frac{5}{16}$  inches diameter. Overall length 14 inches. Head weight  $1\frac{1}{2}$  lbs.

## Fender Bumper Mallet

**No. PH30**—Has rubber composition head which excels hickory for durability. It will not shatter, chip or split. Handle is of hickory. Head  $2\frac{1}{2}$  inches in diameter,  $4\frac{1}{2}$  inches long. Handle is  $11\frac{1}{2}$  inches long.

## Long Nose Pricking Hammer

**No. PH31**—Has long reach pein used in driving up small dents. Drop-forged of selected hammer steel with fine quality hickory handle. All working surfaces highly polished. Head  $9\frac{1}{2}$ " overall. Face  $1\frac{5}{8}$ " diameter. Length 12" overall. Head weight 15 oz. Packed  $\frac{1}{3}$  dozen to the box.

## Point Dinging Hammer

**No. PH32**—Has medium length point for driving up small dents. Drop-forged steel, with fine hickory handle. Working surfaces highly polished. Head  $6\frac{3}{4}$ " overall. Head weight 13 oz. Packed 6 to the box.

## Cross Pein Bumping Hammer

**No. PH33**—For work on beads, mouldings and sharp corners this Cross Pein Bumping Hammer is ideal. Head is drop-forged steel with polished working surfaces. Handle is first quality hickory. Head  $5\frac{1}{4}$ " overall. Round face  $1\frac{1}{4}$ " diameter. Pein  $\frac{5}{8}$ " wide. Length overall  $11\frac{1}{2}$ ". Head weight 9 oz. Packed 6 to the box.

## Offset Dinging Hammer

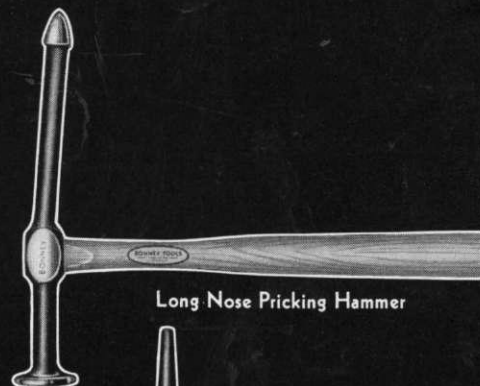
**No. PH34**—The offset faces of this hammer permit striking a flat face blow while working on a crowned surface or uneven angles. Head is drop-forged steel with polished working surfaces. Handle of fine quality hickory. Head  $6\frac{1}{2}$ " long. Head weight 10 oz. Packed 6 to the box.



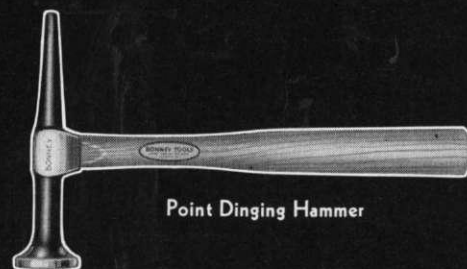
Fender Bumper



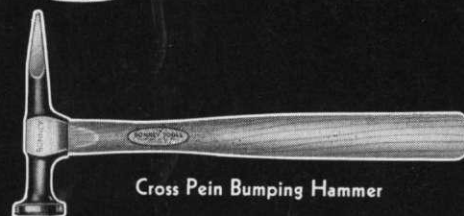
Fender Bumper Mallet



Long Nose Pricking Hammer



Point Dinging Hammer



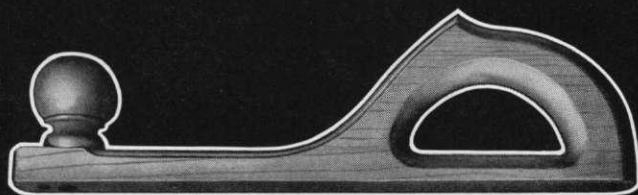
Cross Pein Bumping Hammer



Offset Dinging Hammer



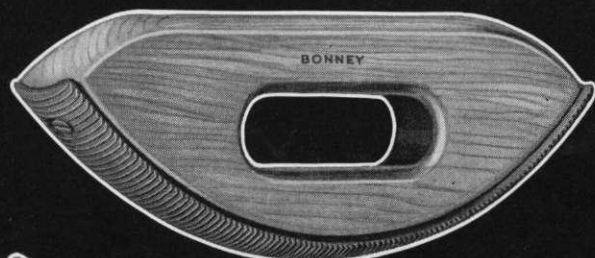
# The Finest that Money Can Buy



F24



F25



F32



F32B



F33



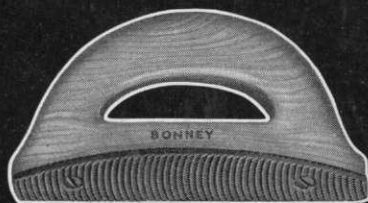
F33B



F34



F34B



F38



F37



F38B



F37B



F35



F35B



F36B



F36

## Bonney Body Files and File Holders

THE combination of file blade and correctly designed, matched and balanced holder is essential for best file performance. The Bonney Line of Blades and Holders shown is offered in combination as a genuine automotive service tool line.

They are especially useful for surface finishing automobile bodies, fenders, door panels, tops, drip mouldings, airplanes; in fact wherever a smooth finish is required on sheet steel, aluminum, stainless steel, monel metal, etc.

### FILE BLADES

| No.  | Size and Type         | No.  | Size and Type     |
|------|-----------------------|------|-------------------|
| F25  | 14" Flexible—U Tooth  | F35B | 7" Flat Revel     |
| F32B | 12" Half Circle—Shell | F36B | 7" Moulding Revel |
| F33B | 12" Half Round—Shell  | F37B | 7" Shell Revel    |
| F34B | 12" Moulding          | F38B | 6" Radius         |

### FILE HOLDERS

| Holder No. | For Use With Blade No. | Holder No. | For Use With Blade No. |
|------------|------------------------|------------|------------------------|
| F24        | F25                    | F35H       | F35B                   |
| F32H       | F32B                   | F36H       | F36B                   |
| F33H       | F33B                   | F37H       | F37B                   |
| F34H       | F34B                   | F38H       | F38B                   |

### BLADES and HOLDERS

| No. Blade and Holder | Includes  |            |
|----------------------|-----------|------------|
|                      | Blade No. | Holder No. |
| F25X                 | F25       | F24        |
| F32                  | F32B      | F32H       |
| F33                  | F33B      | F33H       |
| F34                  | F34B      | F34H       |
| F35                  | F35B      | F35H       |
| F36                  | F36B      | F36H       |
| F37                  | F37B      | F37H       |
| F38                  | F38B      | F38H       |

### BODY FILE SHAPES

"Flat" or "Flexible" refers to a flat cutting surface, with teeth on both sides of file or blade.

"Moulding" refers to a concave cutting surface, with teeth on inner or concave side of file.

"Shell" refers to convex cutting surface, with teeth on outer or convex side.

### SET NO. F26

Consists of one No. F24 File Holder and six No. F25—14" Flexible U Tooth Files. Holder in this set furnished without cost.

### NO. F40 REVEL SET

Contains one each No. F35, No. F36 and No. F37 Blades and Holders.

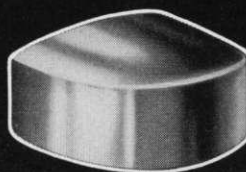
## BODY and FENDER REPAIR TOOLS



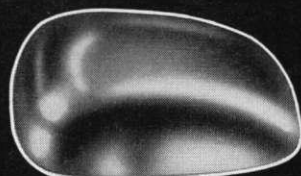
*The Finest that  
Money Can Buy*



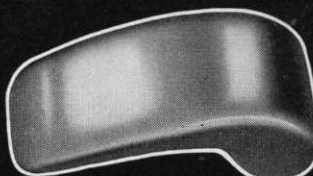
Regular or Toe Dolly Block



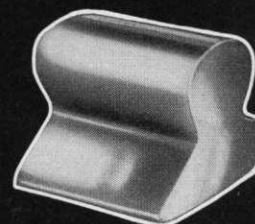
Heel Dolly Block



Bar Dolly Block



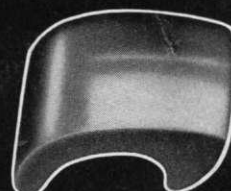
Wedge Dolly Block



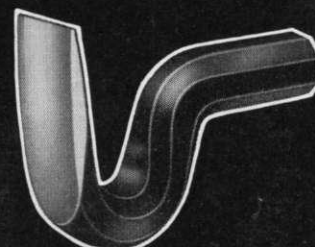
General Purpose Dolly Block



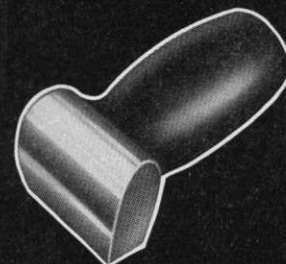
Budd Dolly Block



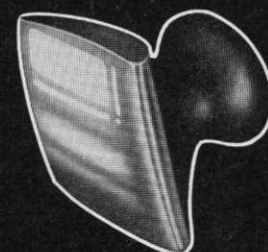
Fender Dolly Block



Fender Bracket Dolly



Small Hand Hold Dolly



Large Hand Hold Dolly

### No. F2 Regular or Toe Dolly Block

**D**ROP-FORGED of selected steel and full surface ground and polished. Length  $4\frac{3}{4}$  inches. Width  $2\frac{1}{2}$  inches. Thickness  $1\frac{1}{16}$  inches. Weight  $2\frac{1}{2}$  lbs.

### No. F3 Heel Dolly Block

Drop-forged of steel most suitable for this type tool. Full surface ground and polished. Length  $2\frac{1}{2}$  inches. Width  $3\frac{1}{8}$  inches. Thickness  $1\frac{1}{2}$  inches. Weight  $2\frac{1}{4}$  lbs.

### No. F4 Bar Dolly Block

Drop-forged steel and full surface ground and polished. Length  $4\frac{1}{4}$  inches. Width 2 inches. Thickness  $1\frac{1}{2}$  inches. Weight 3 lbs.

### No. F5 Wedge Dolly Block

Designed especially for work on turret tops. Drop-forged of selected steel, with working surfaces highly polished. Length 5". Width  $2\frac{1}{2}$ ". Weight  $2\frac{1}{2}$  lbs.

### No. F6 General Purpose Dolly Block

Full surface ground and polished. Weight 3 lbs.

### No. F7 Budd Dolly Block

Drop-forged of selected steel. Full surface ground and polished. Its curved surfaces are designed so that it will take care of any repair on a Budd Body. Each block is carefully gauged after it is polished to insure correct radii of the curves. Weight 3 lbs.

### No. F8 Fender Dolly Block

Designed especially for repairs to fenders with rolled edges and beads. The small curved end works perfectly under the rolled edge. All working surfaces of this drop-forged dolly are highly polished. Length 4". Width  $2\frac{3}{4}$ " at bead end,  $2\frac{1}{2}$ " at heel end. Weight  $2\frac{1}{2}$  lbs.

### No. F9 Fender Bracket Dolly

Drop-forged steel. The working face is polished and body is black enamel. Shaped so that it can be inserted between the fender bracket and fender. The curves have been worked out to take care of 10 leading makes of cars. Weight  $1\frac{3}{4}$  lbs.

### No. F10 Small Hand Hold Dolly

Working surfaces are ground and polished. Weight  $2\frac{1}{4}$  lbs.

### No. F12 Large Hand Hold Dolly

Working surfaces are ground and polished. Weight  $3\frac{1}{2}$  lbs.

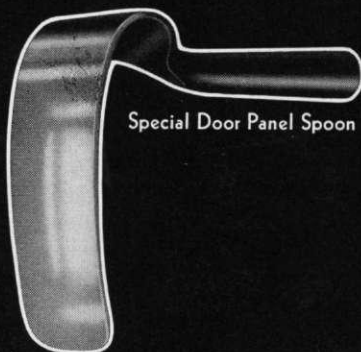


*The Finest that  
Money Can Buy*

## BODY AND FENDER REPAIR TOOLS

### No. F13 Special Door Panel Spoon

**I**N addition to work on door panels, this spoon will be found handy for working on the quarterdeck of turret tops and between the headlining strainer and roof panels. It is also handy for work between the fender bracket and fender metal where a dolly block can't be used. Blade is  $2\frac{1}{4}$ " wide,  $5\frac{1}{2}$ " long. Handle is  $\frac{7}{8}$ " diameter. Weight 23 oz. Packed 6 to the box.



Special Door Panel Spoon

### No. F14 Long Body Spoon

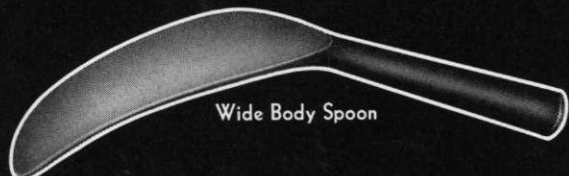
Blade is ground and polished. Dimensions of blade  $\frac{3}{4}$  inches at point,  $1\frac{3}{16}$  inches at heel, 5 inches long. Overall length  $11\frac{1}{4}$  inches. Weight 8 oz.



Long Body Spoon

### No. F15 Wide Body Spoon

Blade ground and polished. Dimensions of blade  $2\frac{1}{16}$  inches wide, 5 inches long. Overall length  $10\frac{1}{2}$  inches. Weight 1 lb.



Wide Body Spoon

### No. F16 Panel Spoon

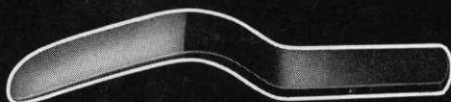
Used in general body repair work and on turret tops. Forged of selected steel with polished working surfaces. Blade  $2\frac{1}{4}$ " wide,  $6\frac{1}{4}$ " long. Overall length  $11\frac{1}{4}$  inches. Weight 22 oz. Packed 6 to the box.



Panel Spoon

### No. F17 Small Body Spoon (Offset Blade)

Blade ground and polished. Width of blade  $1\frac{1}{8}$  inches. Overall length 7 inches. Weight  $5\frac{1}{2}$  oz.



Small Body Spoon (Offset Blade)

### No. F19 Long Body Spoon (Offset Blade)

Blade ground and polished. Width of blade  $1\frac{1}{4}$  inches. Overall length  $10\frac{1}{4}$  inches. Weight  $11\frac{1}{2}$  oz.



Long Body Spoon (Offset Blade)

### No. 20 Combination Spoon and Bending Iron

Made of selected spring steel. Designed for straightening fender flanges, pushing out panel dents, etc. Stock  $\frac{1}{4}$  inch x  $1\frac{1}{2}$  inch. Overall length 16 inches. Weight 2 lbs.



Combination Spoon and Bending Iron

### No. F31 Adjustable Flexible File Holder

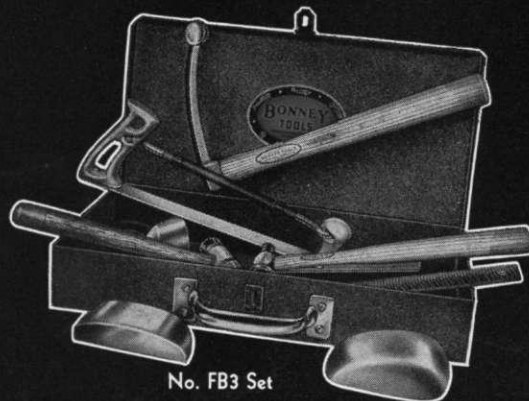
An expensive adjustable aluminum file holder for use with 14" flexible file blades. Permits flexing of file for use on a hollow (concave) or a round (convex).



Adjustable Flexible File Holder



*The Finest that Money Can Buy*



No. FB3 Set



No. FB4 Set

## BODY AND FENDER TOOL SETS

### No. FB3 Set

9 Pieces

A compact set of body and fender tools suitable for taking care of the minor bumps which the average shop is called on to straighten out. Contains 9 pieces packed in an attractively finished metal case measuring 17" x 8 1/4" x 2 1/2".

#### Contents

| No.  | Description                        |
|------|------------------------------------|
| F2   | Regular or Toe Dolly Block         |
| F4   | Bar Dolly                          |
| F10  | Small Hand Hold Dolly              |
| F25  | Flexible Body File                 |
| F31  | Aluminum Adjustable File Holder    |
| F20  | Combination Spoon and Bending Iron |
| PH15 | 1/2 lb. Soft Face Hammer           |
| PH24 | Dinging Hammer                     |
| PH29 | Fender Bumper                      |

Net Weight 17 lbs.

### No. FB4 Set

15 Pieces

Contains 15 essential pieces for body and fender repair work, packed in a strong, attractively finished metal box with removable tray, padlock hasp and end carrying handles. The box is sufficiently large to take care of tools you may have on hand or wish to add later. It measures 25" x 8 1/2" x 6 1/4".

#### Contents

| No.  | Description                        |
|------|------------------------------------|
| PH24 | Dinging Hammer                     |
| PH25 | Light Dinging Hammer               |
| PH26 | Special Bumping Hammer             |
| PH30 | Fender Bumper Mallet               |
| F3   | Heel Dolly Block                   |
| F4   | Bar Dolly                          |
| F5   | Wedge Dolly Block                  |
| F6   | General Purpose Dolly Block        |
| F8   | Fender Dolly Block                 |
| F12  | Large Hand Hold Dolly              |
| F13  | Special Door Panel Spoon           |
| F16  | Panel Spoon                        |
| F20  | Combination Spoon and Bending Iron |
| F25  | Flexible Body File                 |
| F31  | Aluminum Adjustable File Holder    |

Net Weight 49 lbs.

*The Finest that Money Can Buy*



## No. FB5 SET

24 Pieces

A complete set of Body and Fender Hammers, Dollies, Spoons, Files, etc. for the specialist in body and fender repair work. Each tool has been carefully selected so that the complete set will remove all ordinary body and fender dents with a minimum of trouble.

Packed complete in a large, attractively finished metal chest with removable tray, the whole assortment can be kept under lock and key when not in use. Chest measures 25" x 8 1/2" x 6 1/4".

### Contents

| No.  | Description                   | No. | Description                 | No. | Description                        |
|------|-------------------------------|-----|-----------------------------|-----|------------------------------------|
| PH22 | Bumping Hammer                | F2  | Regular or Toe Dolly Block  | F15 | Wide Body Spoon                    |
| PH23 | Light Bumping Hammer          | F3  | Heel Dolly Block            | F16 | Panel Spoon                        |
| PH24 | Dinging Hammer                | F4  | Bar Dolly                   | F19 | Long Body Spoon (Offset Blade)     |
| PH25 | Light Dinging Hammer          | F5  | Wedge Dolly Block           | F20 | Combination Spoon and Bending Iron |
| PH26 | Special Bumping Hammer        | F6  | General Purpose Dolly Block | F25 | Flexible Body File                 |
| PH27 | Upholsterers' Magnetic Hammer | F8  | Fender Dolly Block          | F31 | Aluminum Adjustable File Holder    |
| PH29 | Fender Bumper                 | F9  | Fender Bracket Dolly        |     |                                    |
| PH30 | Fender Bumper Mallet          | F12 | Large Hand Hold Dolly       |     |                                    |
| PH34 | Offset Dinging Hammer         | F13 | Special Door Panel Spoon    |     |                                    |

Net Weight 61 lbs.

# BONNEY PUNCHES



*The Finest that Money Can Buy*

**C**HISELS, Punches and similar hand tools are naturally subjected to very severe service. Bonney has spared no effort to meet these conditions and to offer the best in tools of this type. All are forged of the special alloy steel

which stands up best in the service to which they are put and are carefully heat treated.

Heads are comparatively soft which reduces chipping and allows them to be readily redressed when battered.

## Pin Punches

| No. | Size Stock    | Point Diameter | Length         |
|-----|---------------|----------------|----------------|
| C28 | $\frac{3}{8}$ | $\frac{1}{8}$  | 5              |
| C29 | $\frac{1}{2}$ | $\frac{3}{16}$ | $5\frac{5}{8}$ |
| C30 | $\frac{5}{8}$ | $\frac{1}{4}$  | $6\frac{3}{8}$ |

## Long Taper Punches

| No. | Size Stock    | Point Diameter | Length |
|-----|---------------|----------------|--------|
| C25 | $\frac{3}{8}$ | $\frac{5}{32}$ | 8      |
| C26 | $\frac{1}{2}$ | $\frac{3}{16}$ | 9      |

## Solid Punches

| No. | Size Stock    | Point Diameter | Length         |
|-----|---------------|----------------|----------------|
| C21 | $\frac{3}{8}$ | $\frac{1}{16}$ | $5\frac{1}{2}$ |
| C22 | $\frac{1}{2}$ | $\frac{3}{32}$ | $6\frac{1}{4}$ |
| C23 | $\frac{5}{8}$ | $\frac{1}{8}$  | 7              |

## Prick Punch

| No. | Size Stock    | Length |
|-----|---------------|--------|
| C32 | $\frac{3}{8}$ | 5      |

## Center Punch

| No. | Size Stock    | Length |
|-----|---------------|--------|
| C34 | $\frac{3}{8}$ | 5      |

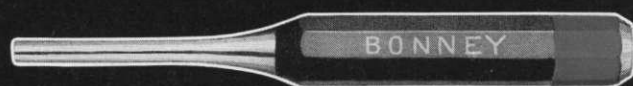
## Pry or Pinch Bar

| No. | Size Stock    | Length |
|-----|---------------|--------|
| C38 | $\frac{5}{8}$ | 16     |

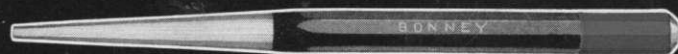
## Pry Bar

A pry bar and lining up punch with powerful leverage for removing gears, bushings, bearings, ball races, etc.

| No. | Size Stock     | Length          |
|-----|----------------|-----------------|
| C39 | $\frac{9}{16}$ | $15\frac{1}{4}$ |



Pin Punches



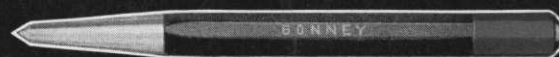
Long Taper Punches



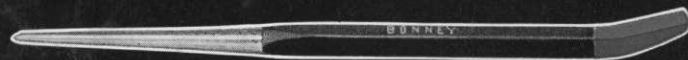
Solid Punches



Prick Punch



Center Punch



Pry or Pinch Bar

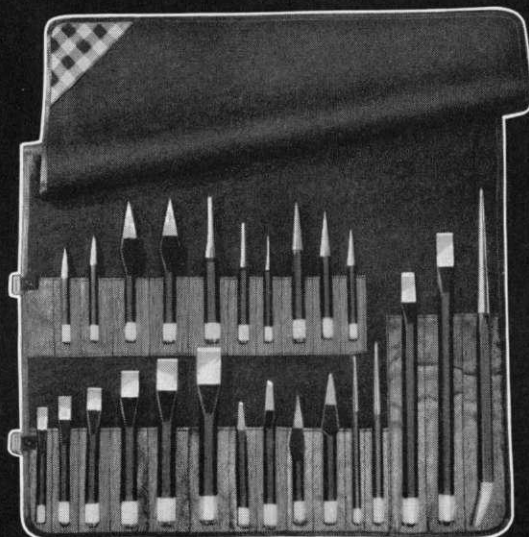


Pry Bar





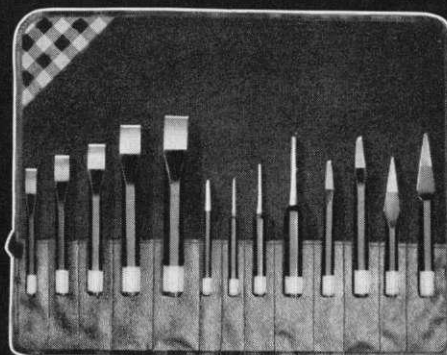
*The Finest that Money Can Buy*



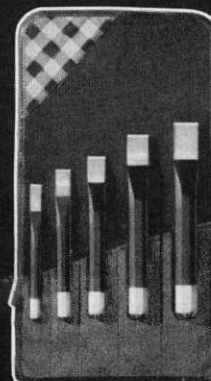
No. C47 Set



Lining-Up Punches



No. C46 Set



No. C45 Set

## PUNCH AND CHISEL SETS

**BONNEY** Punches and Chisels are forged from selected alloy steel and carefully heat treated. Their working bits are hard and tough enough to work on any untempered material, but sufficiently soft to be resharpened with a file. Their comparatively soft heads reduce chipping to a minimum and allow them to be readily redressed when battered. No better tools of this type can be purchased anywhere.

Nos. C2 Flat Chisel  
C3 Flat Chisel  
C4 Flat Chisel  
C5 Flat Chisel  
C6 Flat Chisel  
C12 Cape Chisel  
C13 Cape Chisel

Nos. C15 Diamond Point Chisel  
C16 Diamond Point Chisel  
C28 Pin Punch  
C29 Pin Punch  
C30 Pin Punch  
C34 Center Punch

### No. C47 Punch and Chisel Set

For mechanics who require a complete set of punches and chisels, there is no better assortment than is found in this set. It contains one each of the following:

| FLAT CHISELS | CAPE CHISELS          | PUNCHES  |              |
|--------------|-----------------------|----------|--------------|
| Nos. C2      | Nos. C12              | Nos. C25 | Nos. C29     |
| C3           | C13                   | C26      | C30          |
| C4           | DIAMOND POINT CHISELS | C32      | C34          |
| C5           | Nos. C15              | C21      | RIVET BUSTER |
| C6           | C16                   | C22      | No. C36      |
| C7           | ROUND NOSE CHISELS    | C23      | PRY OR       |
| C10          | Nos. C18              | C28      | PINCH BAR    |
|              | C19                   |          | No. C38      |

### No. C46 Set

This set offers the mechanic a compact and complete assortment of chisels and punches to entirely cover his every day requirements. Nine chisels and four punches are included as follows:

### No. C45 Flat Chisel Set

This set completely covers the range of chisel requirements of the average mechanic. It contains one each:

Nos. C2  
C3  
C4

Nos. C5  
C6

All are forged from high quality alloy steel of the composition most suitable for this type of tool. They are heat treated to assure a hard, tough working bit, while their octagon shape offers an easy, secure grip.

### Lining-Up Punches

(Silico-Manganese Steel)

No. 8386— $\frac{5}{8}$  inch stock,  $\frac{5}{16}$  inch point. Overall length 15 inches.

No. 8385— $\frac{3}{4}$  inch stock,  $\frac{5}{16}$  inch point. Length overall 18 inches.

File This Book  
Under  
Number  
**820**  
Weatherly  
Index

